

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO: ML-22935	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, LP		9. WELL NAME and NUMBER: NBU 922-29LT	
3. ADDRESS OF OPERATOR: PO BOX 173779 DENVER CO 80123		PHONE NUMBER: (720) 929-6666	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1978' FSL, 957' FWL - LAT/LONG NAD 27 -40.005247/109.469186 AT PROPOSED PRODUCING ZONE: 630673X 40.065258 4429253Y -109.469108		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 29 9S 22E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 21 +/- MILES TO OURAY, UTAH		12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 957'	16. NUMBER OF ACRES IN LEASE: 200	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 20'	19. PROPOSED DEPTH: 9,500	20. BOND DESCRIPTION: RLB0005237	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4988.5' GR	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION: 10 DAYS	

24. PROPOSED CASING AND CEMENTING PROGRAM							
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8	J-55	36 LTC	2,800	PREMIUM=2%CaCl	215 SK	1.18 15.6
7 7/8"	4 1/2	I-80	11.6 LTC	9,500	PREMIUM LITE II+3%	LEAD 460	3.38 11
					50/50 POZ/G =10%	TAIL 1490	1.31 14.3

25. ATTACHMENTS	
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:	
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Kaleen White TITLE Sr. Regulatory Analyst
SIGNATURE Kaleen White DATE 6/13/08

Approved by the
Utah Division of
Oil, Gas and Mining

API NUMBER ASSIGNED: 43047-40196

APPROVAL:

Date: 08-07-08

By: [Signature]

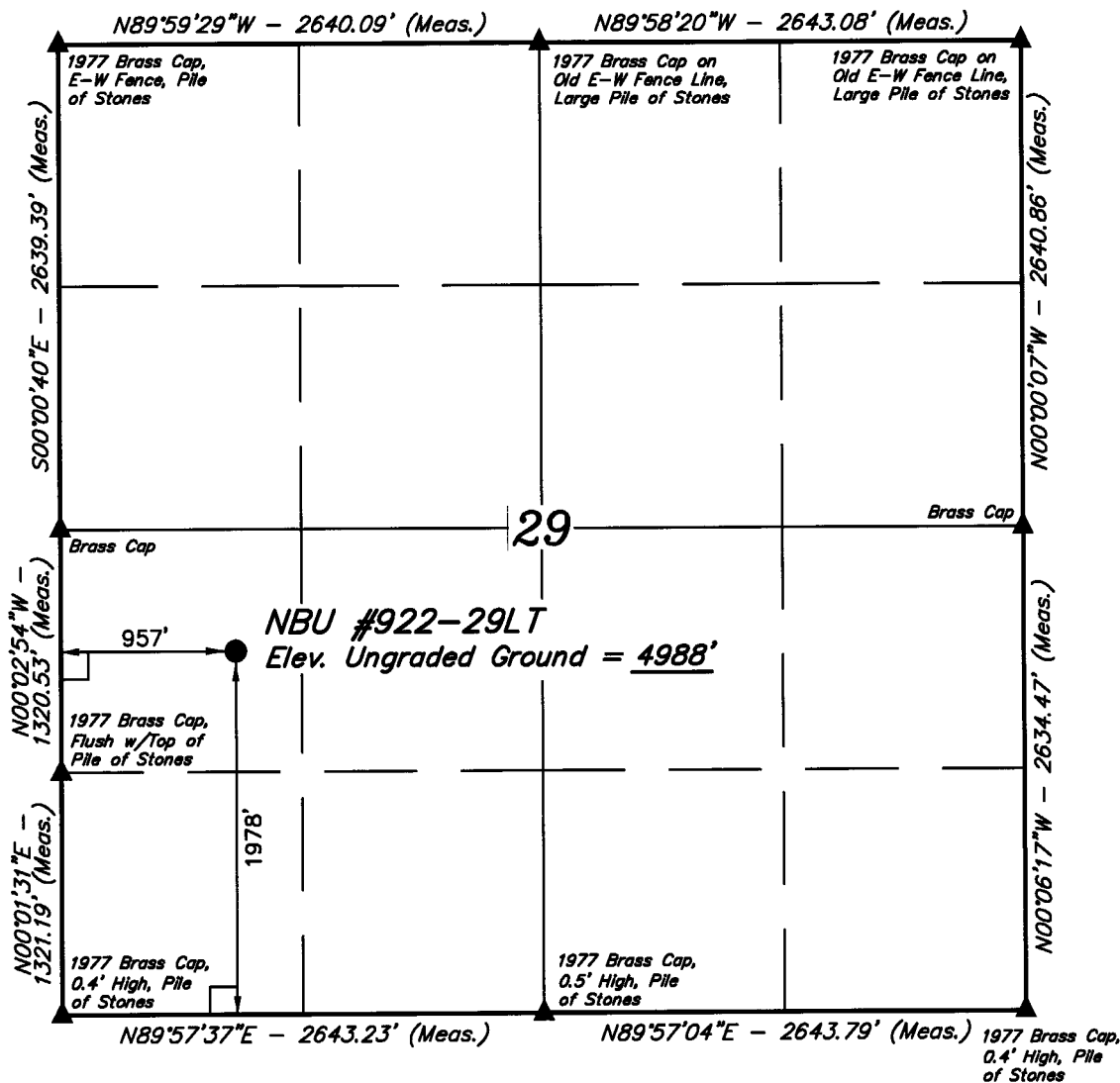
(See Instructions on Reverse Side)

RECEIVED

JUN 16 2008

DIV. OF OIL, GAS & MINING

T9S, R22E, S.L.B.&M.



LEGEND:

- └─ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 40°00'18.76" (40.005211)
 LONGITUDE = 109°28'11.54" (109.469872)
 (NAD 27)
 LATITUDE = 40°00'18.89" (40.005247)
 LONGITUDE = 109°28'09.07" (109.469186)

Kerr-McGee Oil & Gas Onshore LP

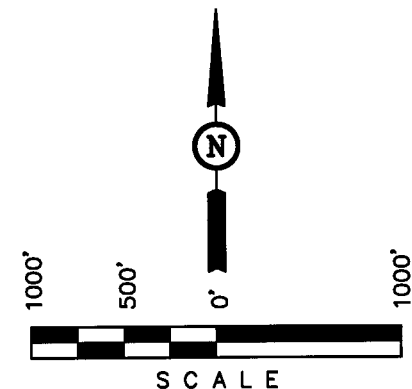
Well location, NBU #922-29LT, located as shown in the NW 1/4 SW 1/4 of Section 29, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-27-08	DATE DRAWN: 06-02-08
PARTY L.D.K. C.K. L.A.K.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

**NBU 922-29LT
NWSW Sec. 29, T9S,R22E
UINTAH COUNTY, UTAH
ML-22935**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1458'
Birds Nest	1744'
Mahogany	2233'
Wasatch	4671'
Mesaverde	7228'
TD	9500'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1458'
Water	Birds Nest	1744'
Water	Mahogany	2233'
Gas	Wasatch	4671'
Gas	Mesaverde	7228'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please refer to the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program.

5. Drilling Fluids Program:

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9500' TD, approximately equals 5890 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3800 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.

Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet.

The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing.

The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole

to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE June 13, 2008
 WELL NAME NBU 922-29LT TD 9,500' MD/TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,069' GL KB 5,004'
 SURFACE LOCATION NWSW, SEC. 29, T9S, R22E - 1978' FSL, 957' FWL BHL Straight Hole
 Latitude: 40.005247 Longitude: 109.469186
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: UDOGM (SURF & MINERALS), BLM, Tri-County Health Dept.

GEOLOGICAL FORMATION			MECHANICAL		
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
Catch water sample, if possible, from 0 to 4,671'					
	Green River @	1,458'			
	Top of Birds Nest Water @	1744'			
	Mahogany @	2,223'			
	Preset f/ GL @				
	2,800' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
Mud logging program TBD					
Open hole logging program f/ TD - surf csg					
	Wasatch @	4,671'	7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-10.0 ppg
	Mverde @	7,228'			
	MVU2 @	8,184'			
	MVL1 @	8,733'			
					Max anticipated Mud required 10.0 ppg
		TD @ 9,500'			



KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	453000
SURFACE	9-5/8"	0 to 2800	36.00	J-55	LTC	1.24	1.54	5.72
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 9500	11.60	I-80	LTC	2.73	1.29	2.09

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 10.0 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoyn.Fact. of water)
- MASP 2850 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
Option 2	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,170'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	460	60%	11.00	3.38
	TAIL	5,330'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1490	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder &

tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

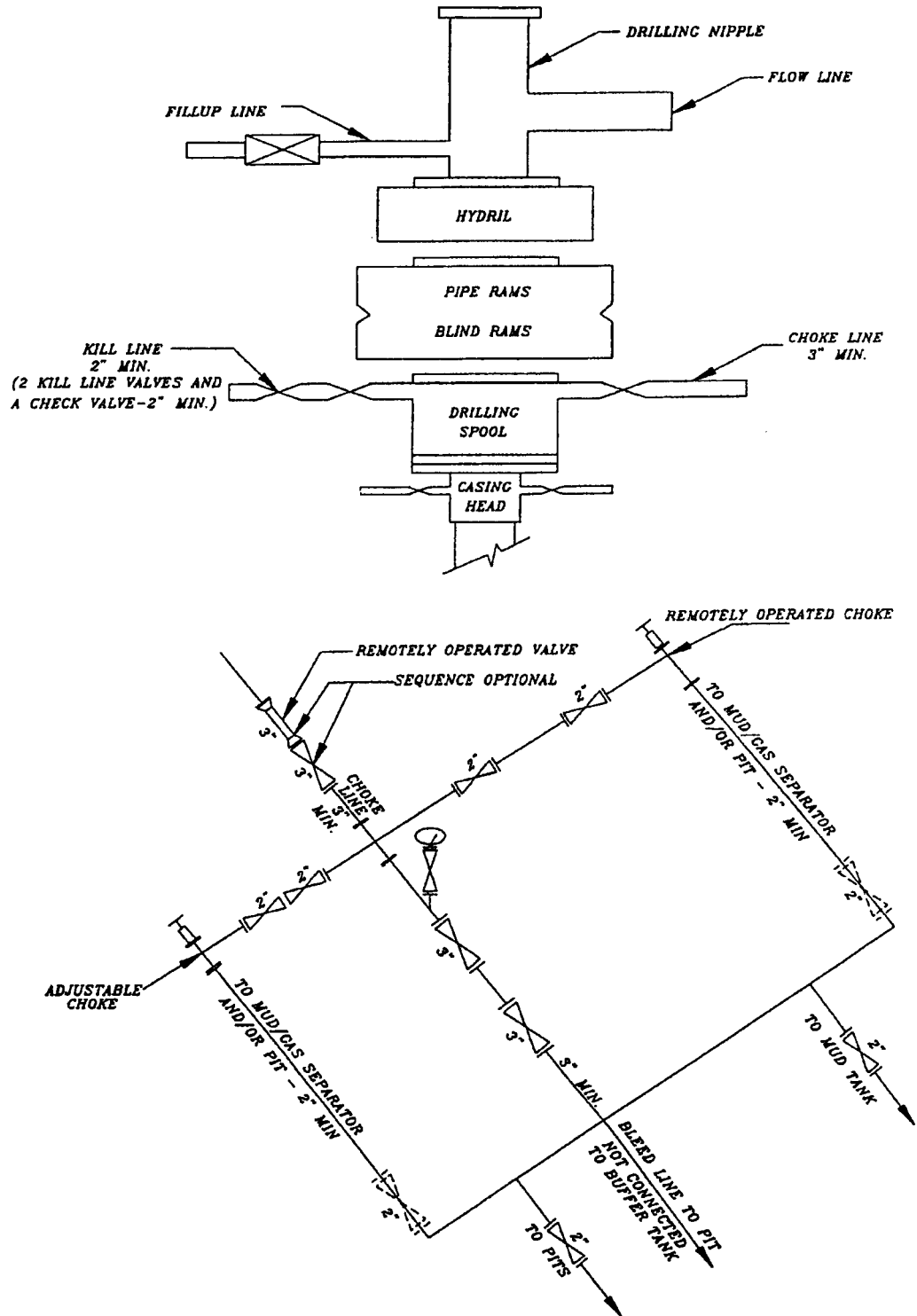
DRILLING ENGINEER: _____
Brad Laney

DRILLING SUPERINTENDENT: _____
Randy Bayne

DATE: _____

DATE: _____

5M BOP STACK and CHOKE MANIFOLD SYSTEM



**NBU 922-29LT
Twin to NBU 116
NWSW SEC 29-T9S-R22E
Uintah County, UT
ML-22935**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

The existing road for the NBU 116 will be utilized. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

No new access road is proposed. Refer to Topo Map B for the location of the existing access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

No new pipeline utilizing the existing NBU 116 pipeline. No TOPO D attached.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E. CIGE 112D SWD – SESE, SECTION 19, T9S, R21E, NBU 47N2 SWD – SESW, SECTION 30, T10S, R22E, NBU 159 SWD – NESW, SECTION 35, T9S, R21E, NBU 347 – NWSW, SECTION 11, T10S, R22E, Ouray #1 SWD – NENE SECTION 1, T9S, R21E, Pipeline Facility Sec. 36, T9S, R20E, Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been completed and is attached.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operators's Representative & Certification:

Raleen White
Sr. Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO BOX 173779
Denver, CO 80217-3779
(720) 929-6666

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

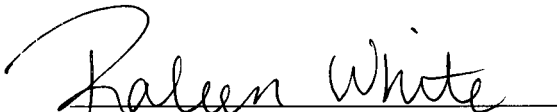
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Raleen White
Sr. Regulatory Analyst

6/13/2008

Date

Kerr-McGee Oil & Gas Onshore LP
NBU #922-29LT
SECTION 29, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN AN NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN EASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION FOR APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED NORTHWESTERLY, THEN NORTHERLY, THEN WESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE PROPOSED LOCATION OF NBU#922-29LT.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.1 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-29LT

LOCATED IN UTAH COUNTY, UTAH

SECTION 29, T9S, R22E, S.L.B.&M.

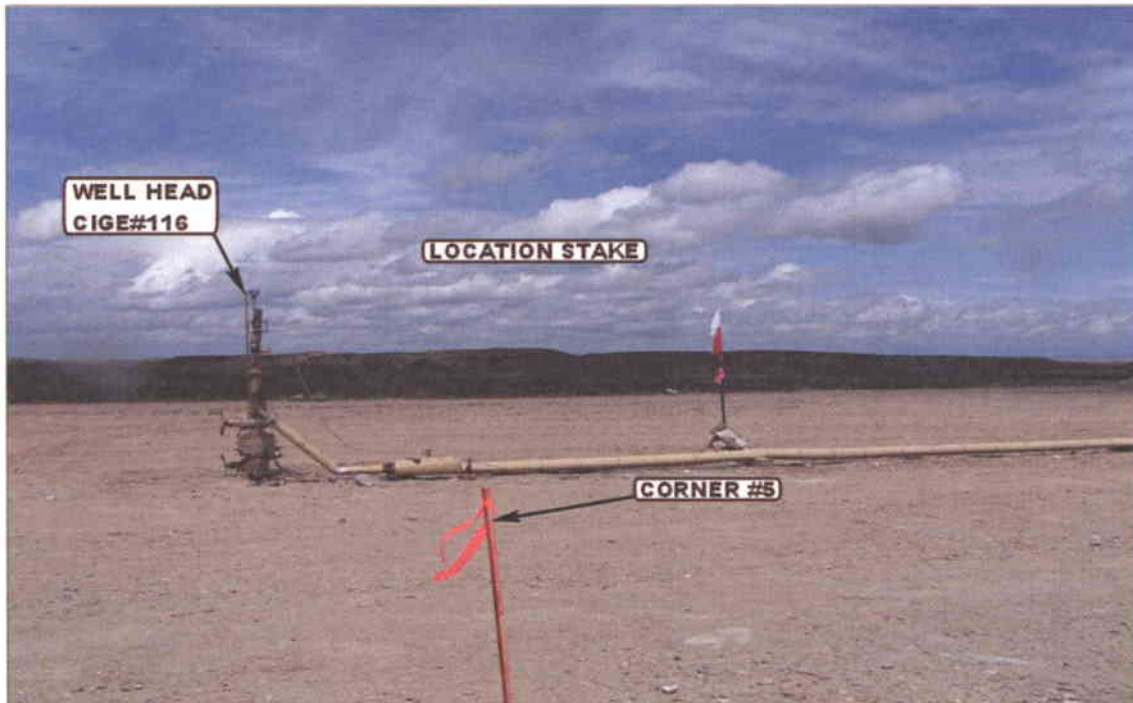


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

05 30 08
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: J.J.

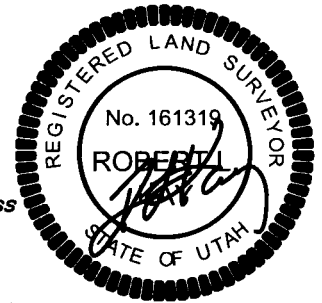
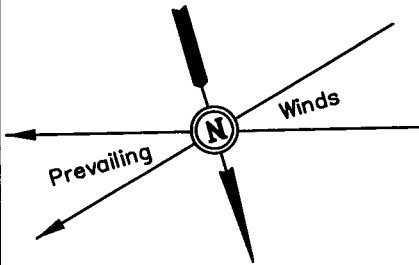
REVISED: 00-00-00

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

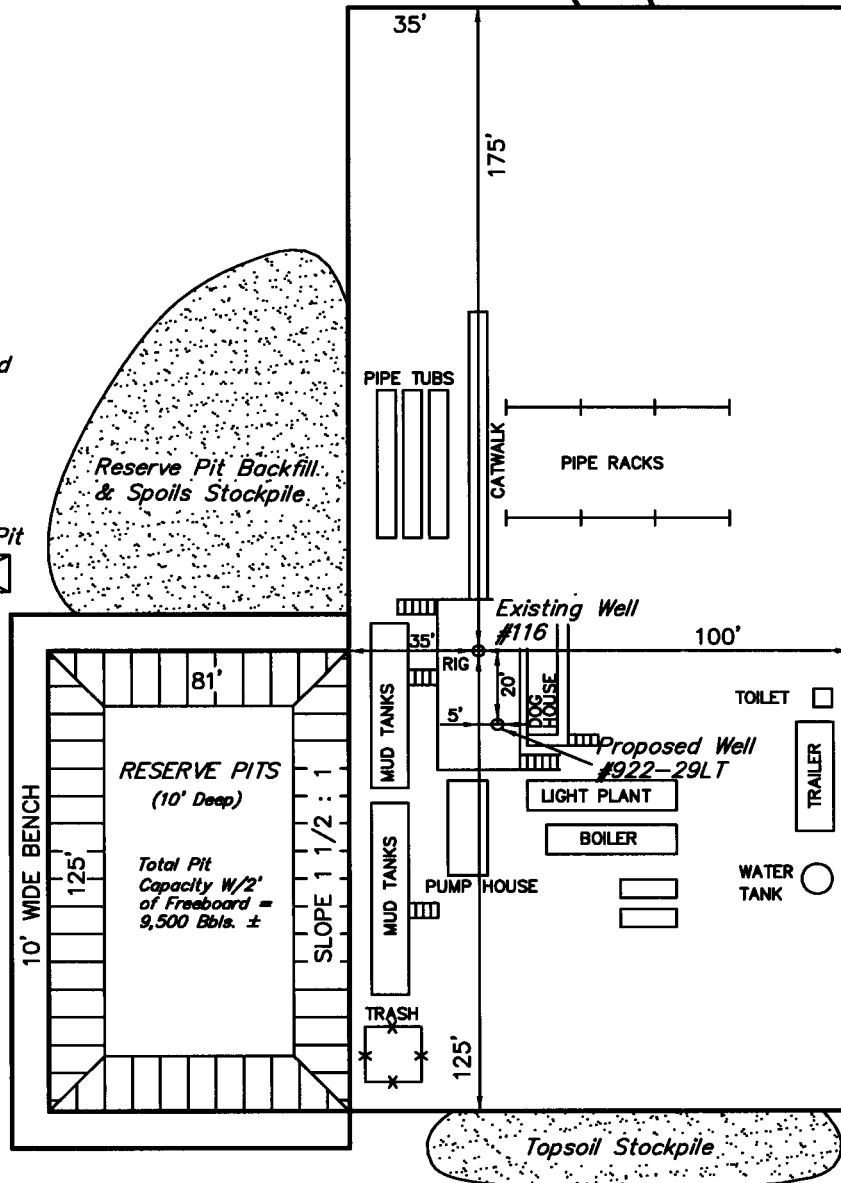
NBU #922-29LT
SECTION 29, T9S, R22E, S.L.B.&M.
1978' FSL 957' FWL



SCALE: 1" = 50'
DATE: 06-02-08
Drawn By: L.K.

NOTE:

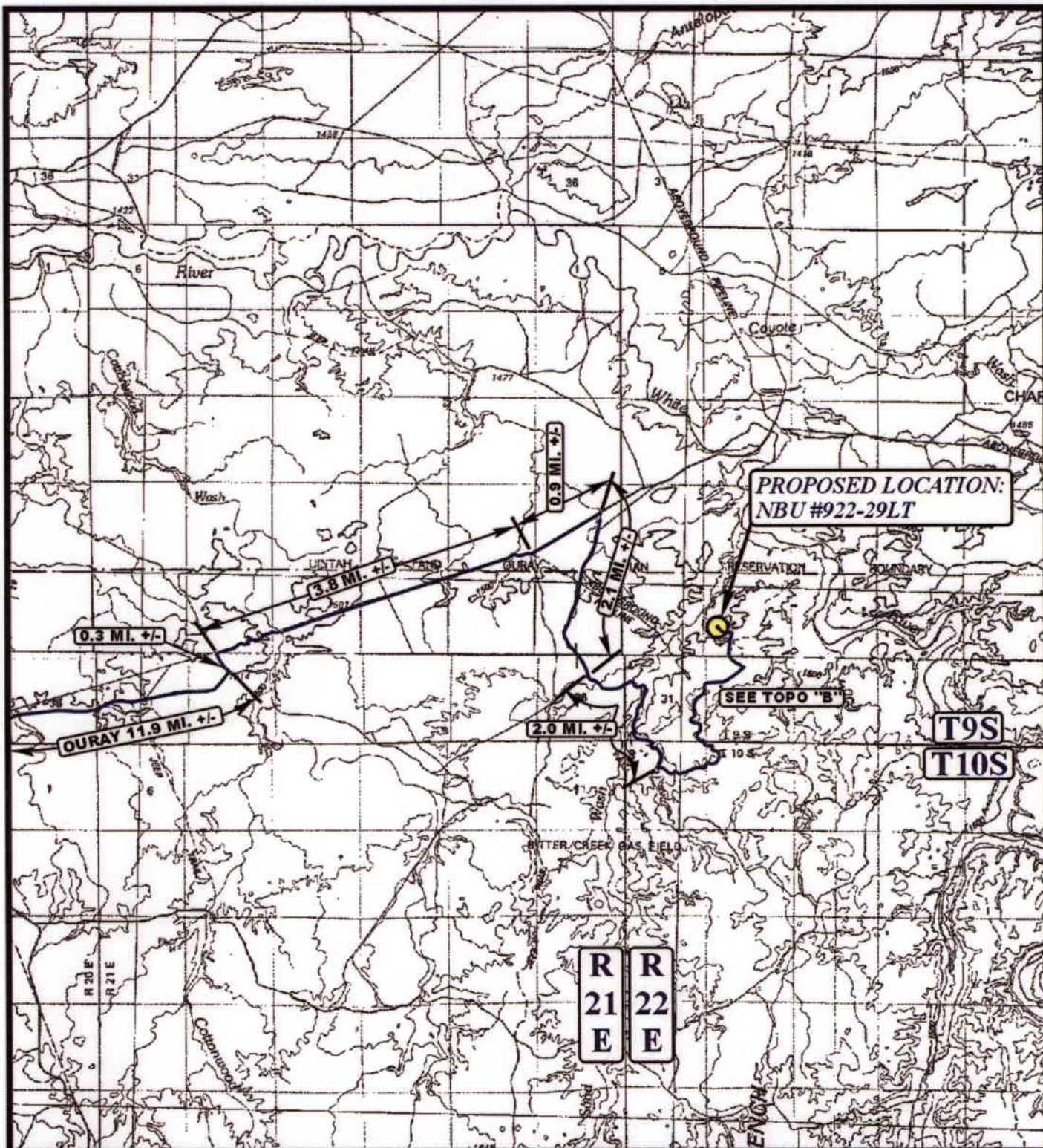
Flare Pit is to be located
a min. of 100' from the
Well Head.



NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = 4988.5'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



LEGEND:

PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

NBU #922-29LT

SECTION 29, T9S, R22E, S.L.B.&M.

1978' FSL 957' FWL



Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

05 **30** **08**
 MONTH DAY YEAR

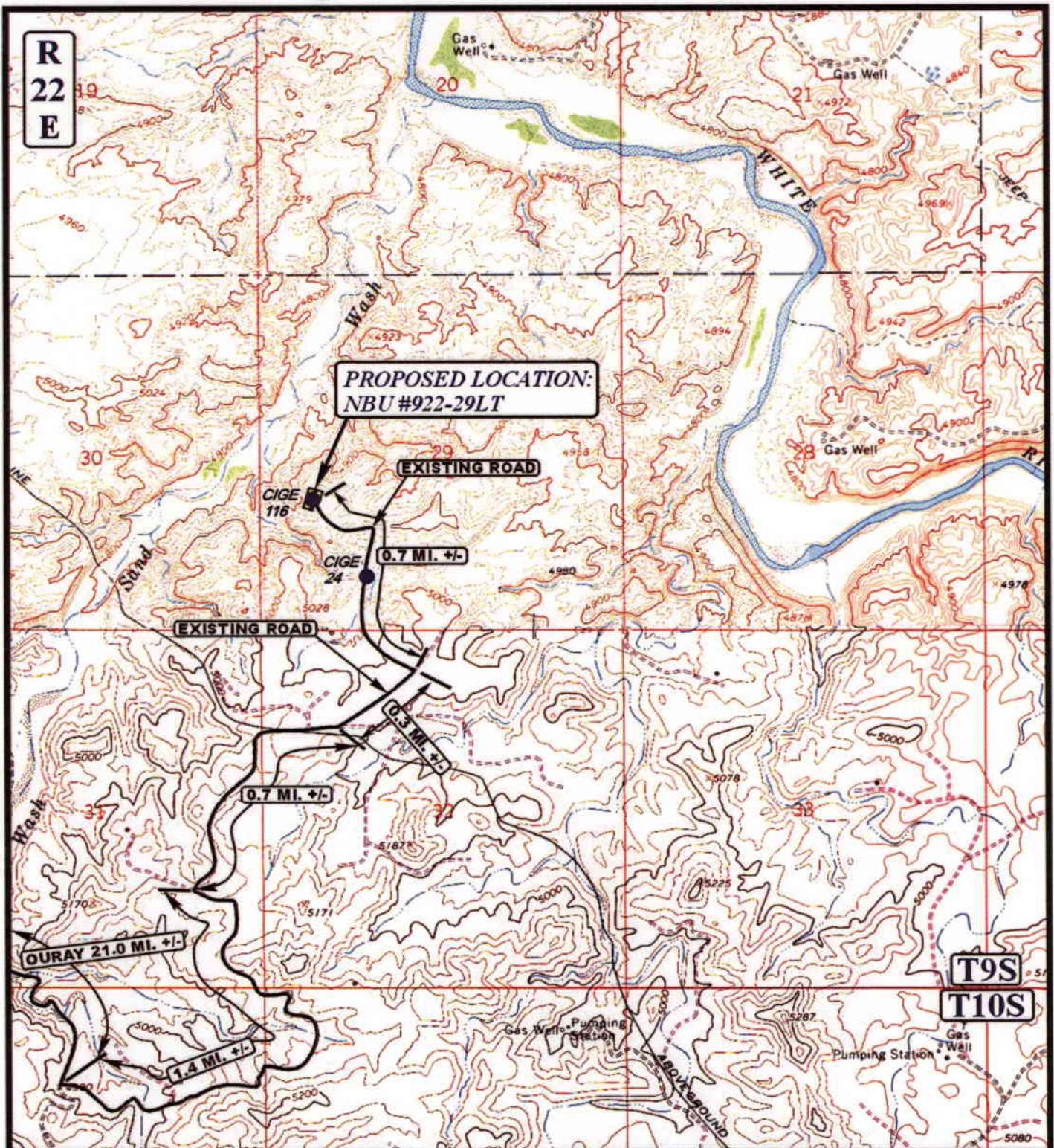
SCALE: 1:100,000

DRAWN BY: J.J.

REVISED: 00-00-00



R
22
E



LEGEND:

EXISTING ROAD



Kerr-McGee Oil & Gas Onshore LP

NBU #922-29LT

SECTION 29, T9S, R22E, S.L.B.&M.

1978' FSL 957' FWL



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

05 30 08
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 00-00-00

**B
TOPO**

PROPOSED LOCATION:
NBU #922-29LT



C
TOPIC

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/16/2008

API NO. ASSIGNED: 43-047-40146

WELL NAME: NBU 922-29LT

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 720-929-6666

CONTACT: RALEEN WHITE

PROPOSED LOCATION:

NWSW 29 090S 220E

SURFACE: 1978 FSL 0957 FWL

BOTTOM: 1978 FSL 0957 FWL

COUNTY: UINTAH

LATITUDE: 40.00526 LONGITUDE: -109.4691

UTM SURF EASTINGS: 630673 NORTHINGS: 4429253

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DRD	7/16/08
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22935

SURFACE OWNER: 3 - State

PROPOSED FORMATION: MVRD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

____ R649-2-3.
Unit: NATURAL BUTTES
____ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
____ R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 173.14
Eff Date: 12.2/999
Siting: 460' fr u bdr & uncomm. tract
____ R649-3-11. Directional Drill

COMMENTS:

Needs Permit (06-19-08)

STIPULATIONS:

1- STATEMENT OF BASIS
2- OIL SHALE
3- Surface Csg Cont Stip

Application for Permit to Drill

Statement of Basis

7/3/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
819	43-047-40146-00-00		GW	S	No
Operator	KERR-MCGEE OIL & GAS ONSHORE, L.P.		Surface Owner-APD		
Well Name	NBU 922-29LT	Unit	NATURAL BUTTES		
Field	NATURAL BUTTES	Type of Work			
Location	NWSW 29 9S 22E S 1978 FSL 957 FWL GPS Coord (UTM) 630673E 4429253N				

Geologic Statement of Basis

Kerr McGee proposes to set 2,350' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 2,900'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The production casing cement should be brought up above the base of the moderately saline ground water in order to isolate it from fresher waters up hole. The proposed casing and cement should adequately protect. Any usable ground water.

Brad Hill
APD Evaluator

7/3/2008
Date / Time

Surface Statement of Basis

The proposed NBU 922-29NT gas well is on the existing location of the CIGE #24 gas well. This well is planned to be plugged. The reserve pit will be re-dug in the northeast corner of the location. Spoils from the reserve pit will be stored to the east of the pit as there is a gulley to the north. The existing pad appears to be stable and should present no problems for drilling and operating the proposed well.

Floyd Bartlett
Onsite Evaluator

6/19/2008
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, L.P.
Well Name NBU 922-29LT
API Number 43-047-40146-0 **APD No** 819 **Field/Unit** NATURAL BUTTES
Location: 1/4,1/4 NWSW **Sec** 29 **Tw** 9S **Rng** 22E 1978 FSL 957 FWL
GPS Coord (UTM) 630667 4429252 **Surface Owner**

Participants

Floyd Bartlett and David Hackford (DOGM), Jim Davis (SITLA), Raleen White, Clay Einerson and Tony Kzneck (Kerr McGee) and David Kay (Uintah Engineering and Land Surveying).

Regional/Local Setting & Topography

The proposed NBU 922-29NT gas well is on the existing location of the CIGE #24 gas well. This well is planned to be plugged. A reserve pit will be re-dug in the northeast corner of the location. Spoils from the reserve pit will be stored to the east of the pit as there is a gulley to the north. The existing pad appears to be stable and should present no problems for drilling and operating the proposed well.

Surface Use Plan

Current Surface Use
Existing Well Pad

New Road

Miles	Well Pad Width	Length	Src Const Material	Surface Formation
-------	-------------------	--------	--------------------	-------------------

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland

Flora / Fauna

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diversion Required

Berm Required?

Erosion Sedimentation Control Required?

Paleo Survey Run?	Paleo Potential Observed?	Cultural Survey Run?	Cultural Resources?
-------------------	---------------------------	----------------------	---------------------

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
Final Score		25
		1 Sensitivity Level

Characteristics / Requirements

A reserve pit will be re-dug in the northeast corner of the location. Spoils from the reserve pit will be stored to the east of the pit as there is a gulley to the north

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

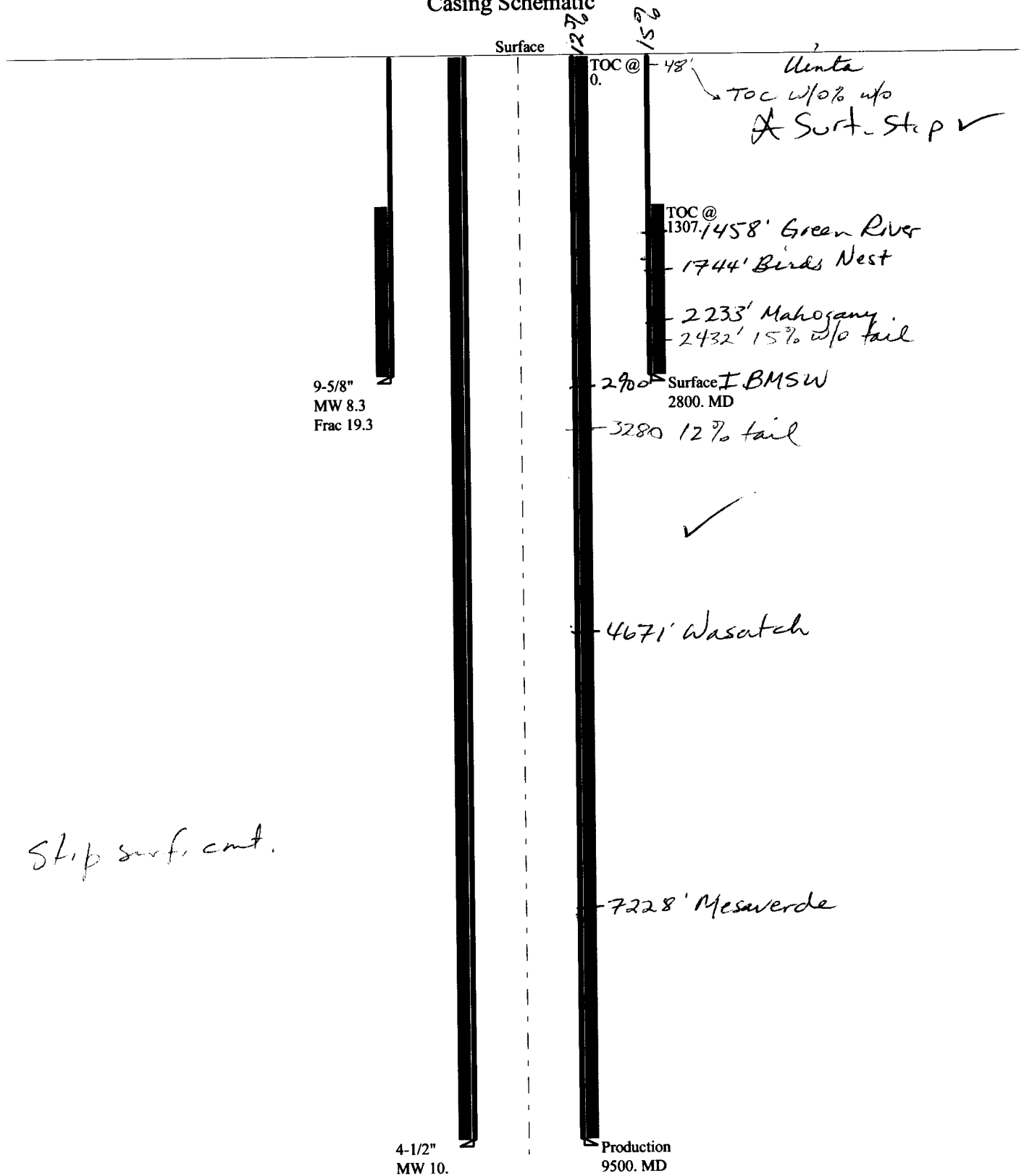
Other Observations / Comments

Floyd Bartlett
Evaluator

6/19/2008
Date / Time

2008-07 Kerr McGee NBU 92Z-29LT

Casing Schematic



Well name:

2008-07 Kerr McGee NBU 922-29LTOperator: **Kerr McGee Oil & Gas Onshore L.P.**String type: **Surface**

Project ID:

43-047-40146Location: **Uintah County, Utah****Design parameters:****Collapse**Mud weight: 8.330 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 114 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,300 ft

Cement top: 1,307 ft

BurstMax anticipated surface pressure: 2,464 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,800 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)Tension is based on buoyed weight.
Neutral point: 2,455 ft**Non-directional string.****Re subsequent strings:**Next setting depth: 9,500 ft
Next mud weight: 10.000 ppg
Next setting BHP: 4,935 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,800 ft
Injection pressure: 2,800 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2800	9.625	36.00	J-55	LT&C	2800	2800	8.796	1215.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1212	2020	1.667	2800	3520	1.26	88	453	5.13 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & MineralsPhone: (801) 538-5357
FAX: (801) 359-3940Date: July 8, 2008
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 2800 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name: 2008-07 Kerr McGee NBU 922-29LT	
Operator: Kerr McGee Oil & Gas Onshore L.P.	Project ID: 43-047-40146
String type: Production	
Location: Uintah County, Utah	

Design parameters:
Collapse

Mud weight: 10.000 ppg
Internal fluid density: 2.300 ppg

Minimum design factors:
Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 208 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Burst:

Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface pressure: 2,845 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,935 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 8,080 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9500	4.5	11.60	I-80	LT&C	9500	9500	3.875	829
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3800	6360	1.674	4935	7780	1.58	94	212	2.26 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Minerals

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: July 8, 2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9500 ft, a mud weight of 10 ppg. An internal gradient of .119 psi/ft was used for collapse from TD to Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

BOPE REVIEW**Kerr-McGee NBU 922-29LT API 43-047-40146****INPUT**

Well Name

Kerr-McGee NBU 922-29LT API 43-047-40146

Casing Size (")

Setting Depth (TVD)

Previous Shoe Setting Depth (TVD)

Max Mud Weight (ppg)

BOPE Proposed (psi)

Casing Internal Yield (psi)

Operators Max Anticipated Pressure (psi)

String 1	String 2		
9 5/8	4 1/2		
2800	9500		
40	2800		
8.4	10		
500	5000		
3520	7780		
5890	11.9 ppg		

Calculations**String 1 9 5/8 "****Max BHP [psi]** $.052 \times \text{Setting Depth} \times \text{MW} = 1223$ **MASP (Gas) [psi]** $\text{Max BHP} - (0.12 \times \text{Setting Depth}) = 887$ **MASP (Gas/Mud) [psi]** $\text{Max BHP} - (0.22 \times \text{Setting Depth}) = 607$ **Pressure At Previous Shoe** $\text{Max BHP} - .22 \times (\text{Setting Depth} - \text{Previous Shoe Depth}) = 616$ **Required Casing/BOPE Test Pressure**

2464 psi

***Max Pressure Allowed @ Previous Casing Shoe =**

40 psi

BOPE Adequate For Drilling And Setting Casing at Depth?NO *OK* Air Drill to surface shoe with diverter

NO

***Can Full Expected Pressure Be Held At Previous Shoe?**

NO

No known pressures - (Known Area)

*Assumes 1psi/ft frac gradient

Calculations**String 2 4 1/2 "****Max BHP [psi]** $.052 \times \text{Setting Depth} \times \text{MW} = 4940$ **MASP (Gas) [psi]** $\text{Max BHP} - (0.12 \times \text{Setting Depth}) = 3800$ **MASP (Gas/Mud) [psi]** $\text{Max BHP} - (0.22 \times \text{Setting Depth}) = 2850$ **Pressure At Previous Shoe** $\text{Max BHP} - .22 \times (\text{Setting Depth} - \text{Previous Shoe Depth}) = 3466$ **Required Casing/BOPE Test Pressure**

5000 psi

***Max Pressure Allowed @ Previous Casing Shoe =**

2800 psi

BOPE Adequate For Drilling And Setting Casing at Depth?

YES ✓

YES

***Can Full Expected Pressure Be Held At Previous Shoe?**

NO

OK

*Assumes 1psi/ft frac gradient

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

June 18, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2008 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ MesaVerde)

43-047-40146	NBU 922-29LT	Sec 29 T09S R22E 1978 FSL 0957 FWL
43-047-40147	NBU 922-32AT	Sec 32 T09S R22E 0457 FNL 0113 FEL
43-047-40148	NBU 922-32BT	Sec 32 T09S R22E 0701 FNL 2116 FEL
43-047-40149	NBU 1022-03FT	Sec 03 T10S R22E 2059 FNL 1825 FWL
43-047-40150	NBU 1022-03CT	Sec 03 T10S R22E 0715 FNL 1777 FWL
43-047-40151	NBU 1022-04HT	Sec 04 T10S R22E 2015 FNL 0566 FEL
43-047-40152	NBU 1022-04AT	Sec 04 T10S R22E 0544 FNL 1278 FEL
43-047-40153	NBU 1022-05JT	Sec 05 T10S R22E 2203 FSL 2319 FEL
43-047-40154	NBU 1022-05IT	Sec 05 T10S R22E 2288 FSL 0691 FEL
43-047-40155	NBU 1022-05BT	Sec 05 T10S R22E 1028 FNL 1886 FEL
43-047-40156	NBU 1022-06ET	Sec 06 T10S R22E 2475 FNL 0628 FWL
43-047-40157	NBU 1022-06FT	Sec 06 T10S R22E 2108 FNL 1669 FWL
43-047-40158	NBU 1022-06DT	Sec 06 T10S R22E 0162 FNL 0311 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

From: Jim Davis
To: Bonner, Ed; Mason, Diana; Raleen.White@anadarko.com
Date: 8/7/2008 11:04 AM
Subject: Kerr McGee Approvals

The following wells have been granted approval by the trust lands Administration, including arch and paleo clearance.

4304740169	NBU 921-26IT	Kerr-McGee Oil & Gas	Natural Buttes	NESE	26	090S	210E
4304740170	NBU 921-27KT	Kerr-McGee Oil & Gas	Natural Buttes	NESW	27	090S	210E
4304740171	NBU 921-27MT	Kerr-McGee Oil & Gas	Natural Buttes	SWSW	27	090S	210E
4304740172	NBU 921-27OT	Kerr-McGee Oil & Gas	Natural Buttes	SWSE	27	090S	210E
4304740173	NBU 921-27HT	Kerr-McGee Oil & Gas	Natural Buttes	SENE	27	090S	210E
4304740174	NBU 921-27LT	Kerr-McGee Oil & Gas	Natural Buttes	NWSW	27	090S	210E
4304740176	NBU 922-29NT	Kerr-McGee Oil & Gas	Natural Buttes	SESW	29	090S	220E
4304740177	NBU 922-29KT	Kerr-McGee Oil & Gas	Natural Buttes	NESW	29	090S	220E
4304740178	NBU 922-31BT	Kerr-McGee Oil & Gas	Natural Buttes	NWNE	31	090S	220E
4304740179	NBU 922-32ET	Kerr-McGee Oil & Gas	Natural Buttes	SWNW	32	090S	220E
4304740114	NBU 921-35AT	Kerr-McGee Oil & Gas	Natural Buttes	NENE	35	090S	210E
4304740146	NBU 922-29LT	Kerr-McGee Oil & Gas	Natural Buttes	NWSW	29	090S	220E

-Jim

Jim Davis
 Utah Trust Lands Administration
 jimdavis1@utah.gov
 Phone: (801) 538-5156



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 7, 2008

Kerr-McGee Oil & Gas Onshore, LP
P O Box 173779
Denver, CO 80123

Re: NBU 922-29LT Well, 1978' FSL, 957' FWL, NW SW, Sec. 29, T. 9 South, R. 22 East,
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40146.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office
SITLA

Operator: Kerr-McGee Oil & Gas Onshore, LP
Well Name & Number NBU 922-29LT
API Number: 43-047-40146
Lease: ML-22935

Location: NW SW **Sec.** 29 **T.** 9 South **R.** 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.
7. Surface casing shall be cemented to the surface.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, L.P.

Well Name: NBU 922-29LT

Api No: 43-047-40146 Lease Type: STATE

Section 29 Township 09S Range 22E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

SPUDDED:

Date 09/19/08

Time 7:00 AM

How DRY

Drilling will Commence: _____

Reported by LEW WELDON

Telephone # (435) 828-7060

Date 09/22//08 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22935
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
PHONE NUMBER: (435) 781-7024		8. WELL NAME and NUMBER: NBU 922-29LT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1978'FSL, 957'FWL		9. API NUMBER: 4304740146
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 29 9S, 22E		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
		COUNTY: UINTAH
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: WELL SPUD
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 09/19/2008 AT 0700 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE

DATE 9/19/2008

(This space for State use only)

RECEIVED

SEP 22 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740146	NBU 922-29LT		NWSW	29	9S,	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	9/19/2008			<u>9/25/08</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>MVRD = WSMVD</u> SPUD WELL LOCATION ON 09/19/2008 AT 0800 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739758	BITTER CREEK 1122-4K		NESW	4	11S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>A</u>	99999	<u>17095</u>	9/19/2008			<u>9/25/08</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 09/19/2008 AT 0700 HRS.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

Title

9/19/2008

Date

RECEIVED

SEP 22 2008

(5/2000)

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22935
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT
PHONE NUMBER: (435) 781-7024	8. WELL NAME and NUMBER: NBU 922-29LT
9. API NUMBER: 4304740146	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1978' FSL, 957' FWL COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 29 9S 22E STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: SET SURFACE CSG
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG ON 9/28/08. DRILLED 12 1/4" SURFACE HOLE TO 2400'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT 1ST STAGE W/ 350 SKS TAIL @ 15.8#@ 1.15 5.0 GAL/SX NO RETURNS TO PIT 110 PSI LIFT. 1ST TOP JOB, 100 SKS DOWN BS, NO RETURNS. 2ND TOP JOB, 125 SKS DOWN BS, FELL BACK. 3RD TOP JOB, 100 SKS DOWN BS. CEMENT STATIC AT SURFACE.

WORT.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY ANALYST
SIGNATURE <i>Sheila Upchego ms</i>	DATE 10/8/2008

(This space for State use only)

RECEIVED
OCT 14 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22935
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
PHONE NUMBER: (435) 781-7024		8. WELL NAME and NUMBER: NBU 922-29LT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1978'FSL, 957'FWL		9. API NUMBER: 4304740146
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 29 9S, 22E		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: FINAL DRILLING OPERATIONS
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2400' TO 9415' ON 01/18/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/382 SX PREM LITE II @11.5 PPG 2.82 YIELD. TAILED CMT W/1250 SX 50/50 POZ @14.3 PPG 1.31 YIELD DISPLACE W/145 BBLS CLAY TREAT WATER. GOOD RETURNS THROUGH OUT JOB 3 BBLS TO PIT BUMP PLUG W/3100 PSI FLOAT HELD. SET PACK OFF & TEST HANGER TO 5000 NIPPLE DOWN CLEAN PITS.

RELEASED PIONEER RIG 69 ON 01/20/2009 AT 1400 HRS

RECEIVED

JAN 27 2009

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE

DATE 1/21/2009

(This space for State use only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22935
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
PHONE NUMBER: (435) 781-7024		8. WELL NAME and NUMBER: NBU 922-29LT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1978'FSL, 957'FWL		9. API NUMBER: 4304740146
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 29 9S, 22E		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH

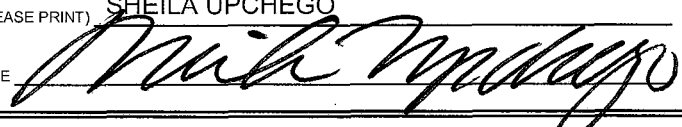
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: PRODUCTION START-UP
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 02/22/2009 AT 11:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY ANALYST
SIGNATURE 	DATE 2/24/2009

(This space for State use only)

RECEIVED

MAR 02 2009

ROCKIES

Operation Summary Report

Well: NBU 922-29LT			Spud Conductor: 9/19/2008			Spud Date: 9/28/2008			
Project: UTAH			Site: UINTAH				Rig Name No: PIONEER 69/69, PROPETRO/		
Event: DRILLING			Start Date: 9/19/2008				End Date: 9/29/2008		
Active Datum: RKB @5,006.00ft (above Mean Sea Level)			UWI: 0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation	
9/28/2008	15:00 - 0:00	9.00	DRLSUR	02		P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1500 HR 9/28/08 DA AT REPORT TIME 660'	
9/29/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1310'	
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1440'	
9/30/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD HIT TRONA WATER @ 1560' DA	
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1920'	
10/1/2008	0:00 - 6:00	6.00	DRLSUR	02	A	P		DRILL TO TD @ 2400', CONDITION HOLE 1 HR. LDDS	
	6:00 - 8:00	2.00	DRLSUR	05	D	P			
	8:00 - 13:00	5.00	DRLSUR	11	B	P		RUN 2354' OF 9 5/8" CSG, LANDED CSG ON CONDUCTOR PIPE. RUN 200' OF 1" PIPE. RDMO AIR RIG.	
	13:00 - 15:00	2.00	DRLSUR	01	E	P		CEMENT 1ST STAGE WITH 350 SKS TAIL @ 15.8#@ 1.15 5.0 GAL/SK NO RETURNS TO PIT 110 PSI LIFT.	
	15:00 - 17:30	2.50	DRLSUR	15	A	P		1ST TOP JOB, 100 SKS DOWN BS, NO RETURNS	
	17:30 - 18:00	0.50	DRLSUR	15	A	P		2ND TOP JOB, 125 SKS DOWN BS, FELL BACK.	
	18:00 - 20:00	2.00	DRLSUR	15	A	P		3RD TOP JOB, 100 SKS DOWN BS. CEMENT STATIC AT SURFACE.	
	20:00 - 21:00	1.00	DRLSUR	15	A	P		RDRT PREPARE RIG F/ MOVE TO NBU 922-29LT THIS AM	
1/5/2009	13:00 - 0:00	11.00	MIRU	01	E	P		RDRT,MOVE RIG TO NBU 922-29LT,RURT 95% MOVED,25% RIGGED UP	
1/6/2009	0:00 - 0:00	24.00	MIRU	01	E	P		WAIT ON DAYLIGHT TO FINISH W/ TRUCKS	
1/7/2009	0:00 - 7:00	7.00	DRLPRO	12	D	P		FINISH MOVE TRUCKS OFF LOC 15:00 HRS CRANE 14:30	
	7:00 - 15:00	8.00	DRLPRO	01	A	P		RURT, RAISE DRK, RU BACKYARD, FLOOR, FLARE LINES ECT	
	15:00 - 0:00	9.00	DRLPRO	01	B	P		RURT	
1/8/2009	0:00 - 1:00	1.00	DRLPRO	01	B	P		NIPPLE UP BOPE	
	1:00 - 10:00	9.00	DRLPRO	13	A	P		PRESS TEST BOPE, KELLY & VALVES - HIGH=5000 PSI, LOW=250 PSI,PIPE RAMS,BLIND RAMS,CHOKE VALVES,CHOKE MANIFOLD,KILL LINE - HIGH = 5000 PSI - LOW = 250 PSI, ANNULAR HIGH = 2500 PSI, LOW = 250 PSI CSNG TO 1500 PSI F/ 30 MIN (INSTALL WEAR BUSHING)	
	10:00 - 16:00	6.00	DRLPRO	13	C	P		HELD SAFETY MTNG W/ TESCO AND RIG CREW RIG UP SAME AND PICK UP BIT#1 , BHA,DRILL PIPE	
	16:00 - 21:30	5.50	DRLPRO	05	A	P		WORK ON AIR LINES	
	21:30 - 22:30	1.00	DRLPRO	07	A	P		RIG DOWN TESCO	
	22:30 - 23:00	0.50	DRLPRO	05	A	P		PICK UP DP	
	23:00 - 0:00	1.00	DRLPRO	05	A	P		PICK UP D.P.	
1/9/2009	0:00 - 2:00	2.00	DRLPRO	05	A	P		CUT AND SLIP 175' DRLG LINE	
	2:00 - 6:30	4.50	DRLPRO	06	D	P		TORQUE KELLY AND VALVES,INSTALL ROTATING HEAD RUBBER AND DRIVE BUSHINGS, DRILL CMNT FLOAT AND SHOE	
	6:30 - 11:00	4.50	DRLPRO	02	F	P		DRLG FORMATION F/ 2418' TO 2530' - 112' = 75' HR MUD WT = 8.4 VIS = 27	
	11:00 - 12:30	1.50	DRLPRO	02	B	P		SURVEY @ 2446' = .09 DEGREE W/ 183 AZ	
	12:30 - 13:00	0.50	DRLPRO	09	B	P			

ROCKIES

Operation Summary Report

Well: NBU 922-29LT		Spud Conductor: 9/19/2008		Spud Date: 9/28/2008	
Project: UTAH		Site: UINTAH			Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING		Start Date: 9/19/2008		End Date: 9/29/2008	
Active Datum: RKB @5,006.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
1/10/2009	13:00 - 14:30	1.50	DRLPRO	02	B	P		DRLG F/ 2530' TO 2579' - 49' = 33' HR MUD WT = 8.4 VIS 27
	14:30 - 15:00	0.50	DRLPRO	06	A	P		LUBRICATE RIG
	15:00 - 16:00	1.00	DRLPRO	07	A	P		REPAIR SHORT IN ELECTRIC LINE TO TOP DOG HOUSE
	16:00 - 0:00	8.00	DRLPRO	02	B	P		DRLG F/ 2579' TO 3036' - 457' = 57' HR MUD WT = 8.9 VIS = 29
	0:00 - 0:30	0.50	DRLPRO	09	B	P		SURVEY @ 2952' MISS RUN
	0:30 - 1:00	0.50	DRLPRO	02	B	P		DRLG F/ 3036' TO 3067' - 31' = 62' HR MUD WT = 9.0 VIS = 30
	1:00 - 1:30	0.50	DRLPRO	09	B	P		SURVEY @ 2983' = 1.0 DEGREE AND 188.5 AZ
	1:30 - 12:30	11.00	DRLPRO	02	B	P		DRLG F/ 3067' TO 3636' - 569' = 52' HR MUD WT = 9.1 VIS = 40
	12:30 - 13:00	0.50	DRLPRO	06	A	P		LUBRICATE RIG
	13:00 - 13:30	0.50	DRLPRO	07	A	X		WORK ON DRAWWORKS MTR
	13:30 - 14:00	0.50	DRLPRO	02	B	P		DRLG F/ 3636' TO 3668' - 32' = 64' HR MUD WT = 9.2 VIS = 41
	14:00 - 14:30	0.50	DRLPRO	09	B	P		SURVEY @ 3584' = 2.0 DEGREE W/ 172.8 AZ
	14:30 - 18:00	3.50	DRLPRO	02	B	P		DRLG F/ 3668' TO 3826' - 158' = 45' HR MUD WT = 9.3 VIS = 40
	18:00 - 18:30	0.50	DRLPRO	07	A	X		WORK ON WT INDICATOR SENSOR
1/11/2009	18:30 - 0:00	5.50	DRLPRO	02	B	P		DRLG F/ 3826' TO 4268' - 442' = 80' HR MUD WT = 9.4 VIS = 40
	0:00 - 1:00	1.00	DRLPRO	09	B	P		SURVEY @ 4230' = 2.3 DEGREE 169.8 AZ
	1:00 - 12:00	11.00	DRLPRO	02	B	P		DRLG F/ 4268' TO 4870' = 602' = 55' HR MUD WT = 10.1 VIS = 40
	12:00 - 12:30	0.50	DRLPRO	09	B	P		SURVEY @ 4870' = 2.3 DEGREE - 169.7 AZ
	12:30 - 17:00	4.50	DRLPRO	02	B	P		DRLG F/ 4870' TO 5123' = 253' = 56' HR MUD WT = 10.1 VIS = 40
	17:00 - 17:30	0.50	DRLPRO	06	A	P		LUBRICATE RIG
	17:30 - 18:30	1.00	DRLPRO	02	B	P		DRLG F/ 5123' TO 5186' = 63' = 63' HR MUD WT = 10.2 VIS = 40
	18:30 - 19:30	1.00	DRLPRO	09	B	P		SURVEY @ 5106' = 2.1 DEGREE - 167.3 AZ
	19:30 - 0:00	4.50	DRLPRO	02	B	P		DRLG F/ 5186' TO 5407' = 221' = 49' HR MUD WT = 10.3 VIS = 40
	0:00 - 1:30	1.50	DRLPRO	02	B	P		DRLG F/ 5407' TO 5470' = 63' - 42' HR MUD WT = 10.5 VIS = 40
1/12/2009	1:30 - 2:30	1.00	DRLPRO	09	B	P		SURVEY @ 5386' = 1.8 DEGREE AZ = 159.8
	2:30 - 7:00	4.50	DRLPRO	02	B	P		DRLG F/ 5470' TO 5723' = 253' - 56' HR MUD WT = 10.5 VIS = 41
	7:00 - 7:30	0.50	DRLPRO	09	B	P		SURVEY @ 5639' = 1.8 DEGREE - 164 AZ
	7:30 - 14:30	7.00	DRLPRO	02	B	P		DRLG F/ 5723' TO 5944' = 221' = 32' HR MUD WT = 10.5 VIS = 40
	14:30 - 15:00	0.50	DRLPRO	06	A	P		LUBRICATE RIG
	15:00 - 0:00	9.00	DRLPRO	02	B	P		DRLG F/ 5944' TO 6297' = 353' - 39' HR MUD WT = 10.7 VIS = 40
	0:00 - 17:00	17.00	DRLPRO	02	B	P		DRLG F/ 6297' TO 6736' = 439' = 26' HR MUD WT = 11.7 VIS = 40
	17:00 - 17:30	0.50	DRLPRO	06	A	P		LUBRICATE RIG
	17:30 - 0:00	6.50	DRLPRO	02	B	P		DRLG F/ 6736' TO 6882' = 146' - 24' HR MUD WT = 10.9 VIS = 41
	0:00 - 14:00	14.00	DRLPRO	02	B	P		DRLG F/ 6882' TO 7367' = 485' - 34' HR MUD WT = 11.2 VIS 44
1/13/2009	14:00 - 14:30	0.50	DRLPRO	06	A	P		LUBRICATE RIG
	14:30 - 0:00	9.50	DRLPRO	02	B	P		DRLG F/ 7367' TO 7682' = 315' - 33' HR MUD WT = 11.5 VIS 43
	0:00 - 12:00	12.00	DRLPRO	02	B	P		DRLG F/ 7682' TO 7968'

ROCKIES

Operation Summary Report

Well: NBU 922-29LT		Spud Conductor: 9/19/2008		Spud Date: 9/28/2008	
Project: UTAH		Site: UINTAH		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 9/19/2008		End Date: 9/29/2008	
Active Datum: RKB @5,006.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
1/16/2009	12:00 - 12:30	0.50	DRLPRO	04	C	P		CIRC,BUILD SLUG,BLOW DOWN KELLY
	12:30 - 18:00	5.50	DRLPRO	05	A	P		PUMP SLUG,TRIP F/ BIT # 1, TIGHT @ 7960' - 7177' - 7144' - 4400' - L/D BIT #1 MM , IBS , AND MONEL DRILL COLLAR
	18:00 - 23:30	5.50	DRLPRO	05	A	P		P/U BIT # 2 & MM , TRIP IN HOLE NO PROBLEMS (FILL PIPE @ 2400')
	23:30 - 0:00	0.50	DRLPRO	03	D	P		WASH AND REAM 120' TO BOTTOM - 12' FILL
	0:00 - 17:30	17.50	DRLPRO	02	B	P		DRLG F/ 7968' TO 8687' = 719' - 41' HR MUD WT = 11.8 VIS = 43
1/17/2009	17:30 - 18:00	0.50	DRLPRO	06	A	P		LUBRICATE RIG
	18:00 - 0:00	6.00	DRLPRO	02	B	P		DRLG F/ 8687' TO 8787' = 100' - 17' HR MUD WT = 11.9 VIS = 44
	0:00 - 1:30	1.50	DRLPRO	02	B	P		DRLG F/ 8787'TO 8801' = 14' - 9' HR MUD WT = 11.9 VIS = 43
	1:30 - 2:30	1.00	DRLPRO	04	C	P		CIRC, BUILD SLUG
	2:30 - 7:00	4.50	DRLPRO	05	A	P		PUMP SLUG, BLOW DOWN KELLY, TRIP F/ BIT # 2
1/18/2009	7:00 - 8:30	1.50	DRLPRO	05	A	P		PICK UP BIT # 3 TRIP IN HOLE TO 2400'
	8:30 - 10:30	2.00	DRLPRO	06	D	P		CUT & SLIP 85' DRLG LINE (FILL PIPE)
	10:30 - 13:00	2.50	DRLPRO	05	A	P		TRIP IN HOLE
	13:00 - 14:00	1.00	DRLPRO	03	D	P		WASH AND RAEM 75' TO BOTTOM (3' FILL)
	14:00 - 16:30	2.50	DRLPRO	02	B	P		DRLG F/ 8801' TO 8908' = 107' - 43' HR MUD WT = 12.0 VIS = 44
1/19/2009	16:30 - 17:00	0.50	DRLPRO	06	A	P		LUBRICATE RIG
	17:00 - 0:00	7.00	DRLPRO	02	B	P		DRLG F/ 8908' TO 9139' = 231' - 33' HR MUD WT = 12.0 VIS = 44
	0:00 - 10:00	10.00	DRLPRO	02	B	P		DRLG F/ 9139' TO 9415' T.D. = 276' - 28' HR MUD WT = 12.0 VIS = 43
	10:00 - 11:30	1.50	DRLPRO	04	C	P		CIRC F/ SHORT TRIP
	11:30 - 12:30	1.00	DRLPRO	05	E	P		SHORT TRIP TO 8600' (NO PROBLEMS)
1/20/2009	12:30 - 16:00	3.50	DRLPRO	04	C	P		CIRC TO L.D.D.P. HELD SAFETY MTNG W/ LAY DOWN CREW AND RIG CREW RIG UP SAME
	16:00 - 0:00	8.00	DRLPRO	05	B	P		LAY DOWN D.P BREAK KELLY AND VALVES, LAY DOWN BHA PULL WEAR BUSHING
	0:00 - 8:00	8.00	DRLPRO	10	C	P		HELD SAFETY MTNG W/ LOGGERS AND RIG CREW, RIG UP AND RUN TRIPLE COMBO LOGS (LOGGERS DEPTH = 9416'
	8:00 - 10:00	2.00	DRLPRO	11	A	P		HELD SAFETY MTNG W/ CASERS AND RIG CREW RIG UP TO RUN 4 1/2 CSNG
	10:00 - 12:00	2.00	DRLPRO	11	B	P		RUN 124 JOINTS CSNG
1/20/2009	12:00 - 13:00	1.00	DRLPRO	07	A	Z		DRUM CLUTCH GETTING HOT COOL DOWN SAME TRACE AIR LINES
	13:00 - 13:30	0.50	DRLPRO	11	B	P		RUN 18 JOINTS CSNG
	13:30 - 18:00	4.50	DRLPRO	07	A	Z		CLUTCH HEATING UP AGAIN WAIT ON MECHANIC AND REPLACE CLUTCH
	18:00 - 19:30	1.50	DRLPRO	11	B	P		RUN 42 JOINTS CSNG
	19:30 - 22:30	3.00	DRLPRO	07	A	Z		REPLACE PRESSURE PLATES ON COMPOUND
1/20/2009	22:30 - 0:00	1.50	DRLPRO	11	B	P		FINISH RUNNING CSNG 222 JOINTS 4 1/2
	0:00 - 1:30	1.50	DRLPRO	04	A	P		TOTALAND FLUTED HEAD, RIG DOWN CASERS CIRC F/ CMNT
	1:30 - 5:00	3.50	DRLPRO	15	A	P		HELD SAFETY MTNG W/ BJ & RIG CREW, R/U SAME - 20 SX SCAV, LEAD CMNT = 382 SX PL2+10%GEL+3%KCL+5#KOL+0.5%SMS+0.25#SF - TAIL CMNT = 1250 SX 50/50 POZ+10%NaCL+0.2%R-3+0.05#SF+0.002FP-6L. GOOD RETURNS THROUGH OUT JOB , 3 BBLs TO PIT, BUMP PLUG W/ 3100 PSI, FLOATS HELD

ROCKIES

Operation Summary Report

Well: NBU 922-29LT			Spud Conductor: 9/19/2008			Spud Date: 9/28/2008		
Project: UTAH			Site: UINTAH			Rig Name No: PIONEER 69/69, PROPETRO/		
Event: DRILLING			Start Date: 9/19/2008				End Date: 9/29/2008	
Active Datum: RKB @5,006.00ft (above Mean Sea Level)				UWI: 0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0				
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
	5:00 - 14:00	9.00	DRLPRO	13	A	P		SET PACKOFF & TEST HANGER ,NIPPLE DOWN BOP,CLEAN PITS ,RELEASE RIG @ 14:00 1/20/2009 TO NBU 921-26IT,RDRT

ROCKIES

Operation Summary Report

Well: NBU 922-29LT			Spud Conductor: 9/19/2008			Spud Date: 9/28/2008			
Project: UTAH			Site: UINTAH				Rig Name No: GWS 1/1		
Event: COMPLETION			Start Date: 2/16/2009				End Date: 2/20/2009		
Active Datum: RKB @5,006.00ft (above Mean Sea Level)			UWI: 0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation	
2/13/2009	7:00 - 7:30	0.50	COMP	48		P		HSM.	
	7:30 - 18:00	10.50	COMP	36	B	P		ROAD RIG F/ NBU 1021-1O T/ NBU 922-29LT. MIRU RIG. SPOT EQUIP. C/O 400 BBL UPRIGHT. SDFWE.	
2/16/2009	7:00 - 7:30	0.50	COMP	48		P		HSM	
	7:30 - 16:00	8.50	COMP	36	B	P		PREP & TALLY 304 JTS 2 3/8, J-55 TBG. PU 3 7/8 MILL & BIT SUB. OPEN WELL 0#. RIH W/ 226 JTS 2 3/8, J-55 TBG, T/ 7100'. X-OVER POOH STD BACK 226 IN THE DERRICK. LD BIT & BIT SUB. ND BOP, NU FRAC. RU RIG FLOOR & TBG EQUIP. SWI SDFN. PREP T/ PSI TEST IN THE :AM.	
2/17/2009	7:00 - 7:30	0.50	COMP	48		P		HSM	
	7:30 - 8:45	1.25	COMP	36	B	P		MIRU B&C QUICK TEST. OPEN WELL 0#. FILL CSG W/ RIG PUMP W/ 18 BBLS 2% KCL. PSI TEST CSG & BOTH FRAC VALVES T/ 7500# W/ B&C QUICK TEST. GOOD TEST. BLEED OFF PSI. RDMO B&C QUICK TEST. MIRU SCHLUMBERGER W.L. PU 3 3/8, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF F/ 9224'-34', 4 SPF, 40 HOLES. POOH. SWI. WAIT FOR BJ FRAC SERV T/ MIRU. BEG FRAC IN THE :AM. WINTERIZE WELL HEAD. SDFN.	
2/18/2009	7:00 - 7:30	0.50	COMP	48		P		HSM	

ROCKIES

Operation Summary Report

Well: NBU 922-29LT		Spud Conductor: 9/19/2008		Spud Date: 9/28/2008	
Project: UTAH		Site: UINTAH		Rig Name No: GWS 1/1	
Event: COMPLETION		Start Date: 2/16/2009		End Date: 2/20/2009	
Active Datum: RKB @5,006.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	36	B	P		<p>MADE 2 ATTM T/ PSI TEST LINES. ON 3RD ATTM PSI TEST LINES T/ 8500#. BLEED OFF PSI. WHILE LIFTING W.L. LUBE, WINCH LINE & WIRE LINE SPUN UP TOGETHER. MAKE REPAIRS & REHEAD WHILE FRACING STG#1.</p> <p>STG 1) OPEN WELL 550#. BEG PUMP, BRK @ 3590# @ 3.8 BPM. SD ISIP 2776#, FG .75. BEG FRAC, PUMP 27,489# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2823#, FG .75. X-OVER FOR W.L.</p> <p>STG 2)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 9096', P/U PERF F/ 9059'-66', 4 SPF, 28 HOLES. 8951'-54', 4 SPF, 12 HOLES. POOH. X-OVER FOR FRAC CREW. OPEN WELL 2320#. BEG PUMP. BRK @ 3852# @ 4.2 BPM. SD ISIP 2754#, FG .75. BEG FRAC, PUMP 30,524# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2948#, FG .77. X-OVER FOR W.L.</p> <p>STG 3)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 8880', P/U PERF F/ 8844'-50', 4 SPF, 24 HOLES. 8702'-06', 4 SPF, 16 HOLES. POOH. X-OVER FOR FRAC CREW. OPEN WELL 2067#. BEG PUMP, BRK @ 3271# @ 6.5 BPM. SD ISIP 2680#, FG .75. BEG FRAC, PUMP 137,416# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2791#, FG .76. X-OVER FOR W.L.</p> <p>STG 4)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 8652', P/U PERF F/ 6616'-22', 4 SPF, 16 HOLES. 8556'-62', 4 SPF, 24 HOLES. POOH. X-OVER FOR FRAC CREW. OPEN WELL 2494#. BEG PUMP. BRK @ 2910# @ 4.2 BPM. SD ISIP 2623#, FG .75. BEG FRAC, PUMP 31,317# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 3803#, FG .77. X-OVER FOR W.L.</p> <p>STG 5)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 8440', P/U PERF F/ 8402'-08', 4 SPF, 24 HOLES. 8282'-86', 4 SPF, 16 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 2200#. BEG PUMP, BRK @ 2770# @ 5.2 BPM. SD ISIP 2205#, FG .71. BEG FRAC, PUMP 10,000# 30/50 WHITE SAND, BLENDER MOTOR DIED. SD MAKE REPAIRS T/ MOTOR. WAS SD FOR 21 MIN. (WILE FUELING BLENDER MOTOR AIR WAS SUCKED IN THE FUEL SYSTEM & CAUSED MOTOR T/ DIE.) BEG PUMPING PUMP 130 BBL SWEEP THEN CONT W/ FRAC. PUMP TOTAL OF 18,627# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2462#, FG .74. X-OVER FOR W.L.</p> <p>STG 6)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH</p>

ROCKIES

Operation Summary Report

Well: NBU 922-29LT		Spud Conductor: 9/19/2008		Spud Date: 9/28/2008	
Project: UTAH		Site: UINTAH			Rig Name No: GWS 1/1
Event: COMPLETION		Start Date: 2/16/2009		End Date: 2/20/2009	
Active Datum: RKB @5,006.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	MD From (ft)	Operation
2/19/2009	7:00 - 7:30	0.50	COMP	48		P		SET CBP @ 7986', P/U PREF F/ 7950'-55', 4 SPF, 20 HOLES. 7825'-30', 4 SPF, 20 HOLES. POOH, X-OVER FOR FRAC CREW. SWI. SDFN. PREP T/ CONT FRAC IN THE :AM. HSM.
	7:30 - 18:00	10.50	COMP	36	B	P		STG 6) PSI TEST LINES 7500#. GOOD TEST. BLEED OFF PSI. OPEN WELL 1640#. BEG PUMP, BRK @ 3285# @ 4.4 BPM. SD ISIP 2024#, FG .70. BEG FRAC, PUMP 34,194# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2602#, FG .77. X-OVER FOR W.L.
2/20/2009								STG 8) PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7466', P/U PERF F/ 7430'-34', 4 SPF, 16 HOLES. 7384'-88', 4 SPF, 16 HOLES. 7362'-64', 4 SPF, 8 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 850#. BEG PUMP, BRK @ 2394# @ 4.3 BPM. SD ISIP 1876#, FG .70. BEG FRAC, PUMP 12,797# 30/50 WHITE SAND & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2271#, FG .75. X-OVER FOR W.L..
	7:00 - 7:30	0.50	COMP	48		P		STG 9)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7260', P/U PERF F/ 7210'-20', 4 SPF, 40 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 1363#. BEG PUMP, BRK @ 1862# @ 4.3 BPM. SD ISIP 1598#, FG .67. BEG FRAC, PUMP 108,617# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2534#, FG .80. X-OVER FOR W.L. PU 4 1/2, 8K BAKER CBP. RIH SET CBP @ 7180'. POOH. RDMO SCHLUMBERGER W.L. & JB FRAC SERV. BLEED OFF WELL PSI. ND FRAC VALVES. NU BOP. RU RIG FLOOR & TBG EQUIP. HSM.

ROCKIES

Operation Summary Report

Well: NBU 922-29LT	Spud Conductor: 9/19/2008	Spud Date: 9/28/2008
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 2/16/2009	End Date: 2/20/2009
Active Datum: RKB @5,006.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	44	C	P		OPEN WELL 0#. BRK CONV CIRC, BEG DRL OUT. CBP 1)TAG FILL @ 7130' = 50' FILL. C/O SAND, DRL OUT CBP @ 7180' IN 20 MIN. 750# INCR. CONT RIH. CBP 2)TAG FILL @ 7230' = 30' FILL. C/O SAND, DRL OUT CBP @ 7260' IN 9 MIN. 250# INCR. CONT RIH. CBP 3)TAG FILL @ 7434' = 30' FILL. C/O SAND, DRL OUT CBP @ 7464' IN 5 MIN. 300# INCR. CONT RIH. CBP 4)TAG FILL @ 7650' = 30' FILL. C/O SAND, DRL OUT CBP @ 7680' IN 7 MIN. 200# INCR. CONT RIH. CBP 5)TAG FILL @ 7976' = 10' FILL. C/O SAND, DRL OUT CBP @ 7986' IN 9 MIN. 500# INCR. CONT RIH. CBP 6)TAG FILL @ 8425' = 15' FILL. C/O SAND, DRL OUT CBP @ 8440' IN 8 MIN. 350# INCR. CONT RIH. CBP 7)TAG FILL @ 8622' = 30' FILL. C/O SAND, DRL OUT CBP @ 8652' IN 8 MIN. 400# INCR. CONT RIH CBP 8)TAG FILL @ 8850' = 30' FILL. C/O SAND, DRL OUT CBP @ 8880' IN 6 MIN. 400# INCR. CONT RIH. CBP 9)TAG FILL @ 9066' = 30' FILL. C/O SAND, DRL OUT CBP @ 9096' IN 7 MIN. 300# INCR. CONT RIH. TAG FILL @ 9234' C/O FILL T/ PBTD @ 9341'. CIRC WELL W/ 30 BBLS 2% KCL. RD DRL EQUIP. POOH, LD 19 JTS ON TBG TRAILER & 59 JTS ON THE GROUND FOR AFTER PROD LOG. PU 4 1/16 TBG HNGR & LAND TBG W/ KB 18.00 4 1/16 HNGR .83 226 JTS 2 3/8, J-55 7089.23 XN-NIPPLE, POBS 2.20 EOT @ 7110.26 ND BOP, NUWH. DROP BALL. RIG PUMP T/ TBG. PUMP 20 BBLS 2% KCL. PUMPED OFF W/ 2200#. SD, SWI FOR 30 MIN. OPEN WELL T/ PIT ON OPEN CHOCK. SICP 2200#, FTP 500#. RACK OUT RIG EQUIP & RDMO RIG. 226 JTS 2 3/8, J-55 IN WELL. 59 JTS 2 3/8, J-55 ON GROUND FOR AFTER PROD LOG. THAT = 1812' OF TBG ON GROUND. AZTEC COUNT 304 JTS. RIG COUNT 304 JTS.

ROCKIES

Operation Summary Report

Well: NBU 922-29LT

Spud Conductor: 9/19/2008

Spud Date: 9/28/2008

Project: UTAH

Site: UINTAH

Rig Name No: GWS 1/1

Event: COMPLETION

Start Date: 2/16/2009

End Date: 2/20/2009

Active Datum: RKB @5,006.00ft (above Mean Sea Level)

UWI: 0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
2/21/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2350#, TP 2050#, 20/64" CK, 49.5 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 921 BBLS LEFT TO RECOVER: 10341
2/22/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3200#, TP 2200#, 20/64" CK, 45 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 2064 BBLS LEFT TO RECOVER: 9198

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-22935

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR:
KERR MCGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR:
1368 S 1200 E CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:
(435) 781-7024

7. UNIT OR CA AGREEMENT NAME
UNIT #891008900A

8. WELL NAME and NUMBER:
NBU 922-29LT

9. API NUMBER:
4304740146

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1978'FSL, 957'FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

10 FIELD AND POOL, OR WILDCAT
NATURAL BUTTES

11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:
NWSW 29 9S, 22E

12. COUNTY
UINTAH

13. STATE
UTAH

14. DATE SPURRED:
9/19/2008

15. DATE T.D. REACHED:
1/18/2009

16. DATE COMPLETED:
2/22/2009

ABANDONED ☐ READY TO PRODUCE ☒

17. ELEVATIONS (DF, RKB, RT, GL):
4989'GL

18. TOTAL DEPTH: MD 9,415
TVD

19. PLUG BACK T.D.: MD 9,341
TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

CBL-CCL-GR

23.
WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 J-55	36#		2,400		675			
7 7/8"	4 1/2 I-80	11.6#		9,415		1632			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7.110							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) MESAVERDE	7,210	9,234			7,210 9,234	0.36	362	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) WSMVD								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7210'-9234'	PMP 13,418 BBLS SLICK H2O & 480,910# 30/50 OTTOWA SD

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS:

PROD

RECEIVED

MAR 23 2009

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 2/22/2009		TEST DATE: 2/25/2009		HOURS TESTED: 21		TEST PRODUCTION RATES: →		OIL – BBL: 0		GAS – MCF: 2,582		WATER – BBL: 550		PROD. METHOD: FLOWING							
CHOKE SIZE: 20/64		TBG. PRESS. 1,900		CSG. PRESS. 2,600		API GRAVITY		BTU – GAS		GAS/OIL RATIO		24 HR PRODUCTION RATES: →		OIL – BBL: 0		GAS – MCF: 2,582		WATER – BBL: 550		INTERVAL STATUS: PROD	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	1,430				
BIRDS NEST	1,737				
MAHOGANY	2,226				
WASATCH	4,673	7,175			
MESAVERDE	7,175	9,373			

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE

DATE 3/17/2009

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22935
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-29LT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1978 FSL 0957 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 29 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047401460000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/11/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 The subject well location has returned to production from a shut-in status on
 Tuesday, January 11, 2011.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 1/17/2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22935
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-29LT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1978 FSL 0957 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 29 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047401460000
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/17/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The Operator requests approval to recomplete the subject well to the Wasatch formation. The Operator requests approval to commingle the recompleted Wasatch formation with the existing Mesaverde formation. Please see the attached procedure. Thank you.		
Approved by the Utah Division of Oil, Gas and Mining Date: 10/19/2011 By: <u>Derek Duff</u>		
NAME (PLEASE PRINT) Andy Lytle		PHONE NUMBER 720 929-6100
SIGNATURE N/A		TITLE Regulatory Analyst
DATE 10/14/2011		

Greater Natural Buttes Unit



NBU 922-29LT **RE-COMPLETIONS PROCEDURE**

DATE:10/7/2011
AFE#:2064879
API#:4304740146
USER ID:OOT937 (Frac Invoices Only)

COMPLETIONS ENGINEER: Zachary Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

RECEIVED Oct. 14, 2011

Name: NBU 922-29LT
Location: NW SW Sec 29 T9S R22E
LAT: 40.005211 **LONG: -109.469872** **COORDINATE: NAD83 (Surface Location)**
Uintah County, UT
Date: **10/7/2011**

ELEVATIONS: 4988' GL 5006' KB *Frac Registry TVD: 9412*

TOTAL DEPTH: 9415' **PBTD:** 9366'
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2372'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9410'
 Marker Joint **4229-4250'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

1359' Green River Top*
 1737' Bird's Nest Top*
 2233' Mahogany Top*
 4673' Wasatch Top*
 7198' Mesaverde Top*

BOTTOMS:

7198' Wasatch Bottom*
 9415' Mesaverde Bottom (TD)

*Based on latest geologic interpretation

T.O.C. @ 490' Cutters CBL - 1/30/2009

*Based on latest interpretation of CBL

GENERAL:

- A minimum of **4** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 1/29/2009
- **2** fracturing stages required for coverage.
- Procedure calls for **3** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.

- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- **TIGHT SPACING ON STAGE 1; OVERFLUSH BY 5 BBLs**
- Tubing Currently Landed @~7110
- Originally completed on 2/16/2009

Existing Perforations:

PERFORATIONS									
Formation	Zone	Top	Btm	spf	Shots	Date	Reason	Comments	Producing
MESA VERDE		7210	7220	4	40	02/18/2009	PRODUCTION		Yes
MESA VERDE		7362	7364	4	8	02/18/2009	PRODUCTION		Yes
MESA VERDE		7384	7388	4	16	02/18/2009	PRODUCTION		Yes
MESA VERDE		7430	7434	4	16	02/18/2008	PRODUCTION		Yes
MESA VERDE		7500	7504	3	12	02/18/2009	PRODUCTION		Yes
MESA VERDE		7564	7568	3	12	02/18/2009	PRODUCTION		Yes
MESA VERDE		7644	7650	3	18	02/18/2009	PRODUCTION		Yes
MESA VERDE		7825	7830	4	20	02/18/2009	PRODUCTION		Yes
MESA VERDE		7950	7955	4	20	02/18/2009	PRODUCTION		Yes
MESA VERDE		8282	8286	4	16	02/18/2009	PRODUCTION		Yes
MESA VERDE		8402	8408	4	24	02/18/2009	PRODUCTION		Yes
MESA VERDE		8556	8562	4	24	02/18/2009	PRODUCTION		Yes
MESA VERDE		8618	8622	4	16	02/18/2009	PRODUCTION		Yes
MESA VERDE		8702	8706	4	16	02/18/2009	PRODUCTION		Yes
MESA VERDE		8844	8850	4	24	02/18/2009	PRODUCTION		Yes
MESA VERDE		8951	8954	4	12	02/18/2009	PRODUCTION		Yes
MESA VERDE		9059	9066	4	28	02/18/2009	PRODUCTION		Yes
MESA VERDE		9224	9234	4	40	02/17/2009	PRODUCTION		Yes

Relevant History:

- 11/24/2010** – Pulled bypass plunger, spring, and standing valve. Ran scratcher and broached tubing (1.9). Tubing was clean; plunger looks good it had a bad standing valve blew tubing drop and chase new standing valve and bypass plunger to bottom.
- 9/14/2011** - Pulled sand viper plunger, spring, and standing valve. Ran scratcher and broached tubing (1.9). Tubing was clean plunger looks good it had a bad standing valve drop and chase new standing valve and sand viper plunger to bottom.

H2S History:

Production Date ▲	Gas (avg mcf/day)	Water (avg bbl/day)	Oil (avg bbl/day)	LGR (bbl/MMcf)	Max H2S Separator (ppm)
11/30/2010	0.00	0.00	0.00	#NA	
12/31/2010	0.00	0.00	0.00	#NA	
1/31/2011	550.48	22.74	5.39	51.10	0.00
2/28/2011	418.89	21.14	3.39	58.57	
3/31/2011	346.32	20.52	3.10	68.18	
4/30/2011	304.87	12.60	2.97	51.06	13.00
5/31/2011	284.13	16.68	2.71	68.23	
6/30/2011	255.77	19.03	2.40	83.80	
7/31/2011	246.97	17.71	2.35	81.24	8.00
8/31/2011	232.77	16.13	1.13	74.14	10.00
9/30/2011	0.00	0.00	0.00	#NA	33.00

PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. If the tubing is below the proposed CBP depth, TOO H with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~7110'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 6870 (50' below proposed CBP). Otherwise P/U a mill and C/O to 6870 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 6820'. ND BOPs and NU frac valves. Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6605	6607	3	6
WASATCH	6621	6622	4	4
WASATCH	6670	6672	3	6
WASATCH	6786	6788	4	8
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6605' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
NOTE: TIGHT SPACING THIS STAGE, OVERFLUSH BY 5BBLs
7. Set 8000 psi CBP at ~6,580'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
------	------	----	-----	------------

WASATCH 6544 6550 4 24

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6544' and flush only with recycled water.
9. Set 8000 psi CBP at ~6,494'.
10. ND Frac Valves, NU and Test BOPs.
11. TIH with 3 7/8" mill, pump open sub, XN nipple and tubing.
12. Mill 2 plugs and clean out to a depth of 6800'.
13. Land tubing at 6650', drop ball and pump open sub. Flow back completion load. RDMO
14. MIRU, POOH tbg and mill. TIH with POBS and mill.
15. Mill last plug @ 6820' clean out to PBTD at 9366'. Land tubing at ±7110' pump off bit and bit sub. This well WILL be commingled at this time.
16. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
17. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**For design questions, please call
Zachary Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)**

**For field implementation questions, please call
Jeff Samuels, Vernal, UT
(435)-781-7046 (Office)**

NOTES:

TIGHT SPACING ON STAGE 1; OVERFLUSH BY 5 BBLs

If using any chemicals for pickling tubing or H₂S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked OPEN.

RECEIVED Oct. 14, 2011

Name NBU 922-29LT - Recomplete
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	WASATCH	6605	6607	3	6		6597.5	to	6612
	WASATCH	6621	6622	4	4		6619	to	6622
	WASATCH	6670	6672	3	6		6666.5	to	6678
	WASATCH	6786	6788	4	8		6781.5	to	6792
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	6,580	
2	WASATCH	6544	6550	4	24		6527	to	6555
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	6,494	
Totals					48				

Company: Kerr McGee Oil & Gas Onshore, LP									
Lease/Well: NBU 922-29LT									
Measured	Incl	Drift	TRUE	N-S	E-W	Vertical	CLOSURE	CLOSURE	Dogleg
Depth	Angle	Direction	Vertical	FT	FT	Section	Distance	Direction	Severity
FT	Deg	Deg	Depth			FT	FT	Deg	Deg/100
0	0	0	0	0	0	0	0	0	0
100	0.75	335.99	100	0.6	-0.27	0.6	0.65	335.99	0.75
200	1	329.89	199.99	1.95	-0.97	1.95	2.18	333.55	0.27
300	0.75	329.8	299.97	3.27	-1.74	3.27	3.7	332.03	0.25
400	0.75	330.71	399.97	4.41	-2.39	4.41	5.01	331.56	0.01
500	1	322.61	499.95	5.67	-3.24	5.67	6.53	330.29	0.28
600	1.25	356.52	599.94	7.45	-3.83	7.45	8.38	332.79	0.7
700	0.75	6.42	699.92	9.19	-3.83	9.19	9.96	337.4	0.53
800	0.75	339.33	799.91	10.46	-3.98	10.46	11.19	339.14	0.35
900	0.75	18.24	899.9	11.69	-4.01	11.69	12.36	341.07	0.5
1000	0.25	12.14	999.9	12.52	-3.76	12.52	13.08	343.29	0.5
1100	0.5	350.05	1099.9	13.17	-3.79	13.17	13.7	343.95	0.28
1200	0.5	41.95	1199.89	13.92	-3.57	13.92	14.37	345.61	0.44
1300	0.75	12.86	1299.89	14.88	-3.14	14.88	15.21	348.11	0.4
1400	0.75	16.77	1399.88	16.15	-2.8	16.15	16.39	350.16	0.05
1500	0.5	55.2	1499.87	17.02	-2.25	17.02	17.17	352.46	0.47
1600	0.25	349.11	1599.87	17.49	-1.94	17.49	17.59	353.68	0.46
1700	0.5	354.02	1699.87	18.14	-2.02	18.14	18.25	353.63	0.25
1800	0.25	43.92	1799.87	18.73	-1.92	18.73	18.83	354.15	0.39
1900	0	0	1899.87	18.88	-1.77	18.88	18.97	354.66	0.25
2000	0.25	37.17	1999.87	19.06	-1.63	19.06	19.13	355.1	0.25
2100	0.5	122.27	2099.87	19	-1.13	19	19.03	356.59	0.54
2200	0.75	173.38	2199.86	18.12	-0.69	18.12	18.13	357.82	0.58
2300	0.75	240.47	2299.85	17.14	-1.18	17.14	17.18	356.05	0.83
2400	1	197.08	2399.84	15.99	-2.01	15.99	16.11	352.84	0.69
2500	1	209.18	2499.83	14.39	-2.69	14.39	14.64	349.41	0.21
2600	0.75	144.28	2599.82	13.1	-2.73	13.1	13.38	348.21	0.96
2700	1	217.38	2699.81	11.87	-2.88	11.87	12.22	346.36	1.06
2800	1	180.48	2799.79	10.31	-3.42	10.31	10.86	341.65	0.63
2900	1.25	222.58	2899.78	8.63	-4.16	8.63	9.58	334.25	0.84
3000	1.25	169.68	2999.76	6.75	-4.71	6.75	8.23	325.13	1.11
3200	1.75	204.79	3199.69	1.84	-5.6	1.84	5.89	288.16	0.51
3400	1.75	188.89	3399.6	-3.95	-7.35	-3.95	8.34	241.72	0.24
3600	2	208.99	3599.49	-10.02	-9.51	-10.02	13.82	223.5	0.35
3800	2	182.1	3799.38	-16.56	-11.33	-16.56	20.07	214.38	0.46
4000	2	184.2	3999.25	-23.53	-11.71	-23.53	26.29	206.46	0.04
4200	1.75	198.29	4199.15	-29.91	-12.93	-29.91	32.59	203.37	0.26
4400	1.75	203.39	4399.06	-35.62	-15.1	-35.62	38.68	202.98	0.08
4600	1.75	167.49	4598.97	-41.4	-15.65	-41.4	44.26	200.71	0.54
4800	2	190.6	4798.86	-47.81	-15.63	-47.81	50.3	198.1	0.39
5000	2	193.7	4998.74	-54.63	-17.1	-54.63	57.25	197.38	0.05
5200	2	200.8	5198.62	-61.29	-19.17	-61.29	64.21	197.37	0.12
5400	1.75	195.89	5398.51	-67.49	-21.24	-67.49	70.75	197.47	0.15
5600	2	197	5598.41	-73.76	-23.1	-73.76	77.29	197.39	0.13
5800	1.75	159.59	5798.31	-79.96	-23.05	-79.96	83.22	196.08	0.61
6000	1.75	156.69	5998.21	-85.63	-20.78	-85.63	88.11	193.64	0.04
6200	1.5	147.79	6198.13	-90.65	-18.18	-90.65	92.45	191.34	0.18
6400	1.75	154.89	6398.05	-95.63	-15.48	-95.63	96.87	189.2	0.16
6600	2	168	6597.95	-101.8	-13.46	-101.8	102.69	187.53	0.25
6800	1.75	173.1	6797.84	-108.25	-12.37	-108.25	108.95	186.52	0.15
7000	1.5	180.19	6997.76	-113.9	-12.01	-113.9	114.53	186.02	0.16
7050	1.5	171.29	7047.74	-115.2	-11.92	-115.2	115.82	185.91	0.47

Acid Pickling and H2S Procedures (If Required)

****PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLS 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLS 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLS MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

Key Contact information

Completion Engineer

Zachary Garrity: 406-781-6427, 720-929-6180

Production Engineer

Brad Laney: 435/781-7031, 435/828-5469

Jordan Portillo: 435/781-9785, 435/828-6221

Laura M. Wellman: 435/781-9748, 435/322-0118

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-22935

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____
b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☒ OTHER **RECOMPLETION**

7. UNIT or CA AGREEMENT NAME
UTU63047A

8. WELL NAME and NUMBER:
NBU 922-29LT

2. NAME OF OPERATOR:
KERR MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
4304740146

3. ADDRESS OF OPERATOR: P.O.BOX 173779 CITY **DENVER** STATE **CO** ZIP **80217** PHONE NUMBER: **(720) 929-6304**

10 FIELD AND POOL, OR WILDCAT
NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **NWSW 1978 FSL 957 FWL S29,T9S,R22E**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NWSW 29 9S 22E S

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

12. COUNTY
UINTAH

13. STATE
UTAH

14. DATE SPURRED: **9/19/2008** 15. DATE T.D. REACHED: **1/18/2009** 16. DATE COMPLETED: **12/13/2011** ABANDONED ☐ READY TO PRODUCE ☒

17. ELEVATIONS (DF, RKB, RT, GL):
5006 RKB

18. TOTAL DEPTH: MD **9,415** TVD _____ 19. PLUG BACK T.D.: MD **9,341** TVD _____

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD _____ TVD _____

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

23. WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#	0	40		28			
12 1/4"	9 5/8" J-55	36#	0	2,400		675			
7 7/8"	4 1/2" I-80	11.6#	0	9,415		1,632			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,909							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) WASATCH	6,544	6,788			6,544 6,788	0.36	48	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6544-6788	PUMP 1891 BBLs SLICK H2O & 57,438 LBS 30/50 OTTAWA SAND
	2 STAGES

RECEIVED

DEC 07 2012

DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: _____

30. WELL STATUS:

PROD

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 12/13/2011	TEST DATE: 12/16/2011	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 15	GAS – MCF: 777	WATER – BBL: 129	PROD. METHOD: FLOWING
CHOKE SIZE: 27/64	TBG. PRESS. 158	CSG. PRESS. 563	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS: PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				GREEN RIVER	1,359
				BIRD'S NEST	1,737
				MAHOGANY	2,233
				WASATCH	4,673
				MESAVERDE	7,198

35. ADDITIONAL REMARKS (Include plugging procedure)

Attached is the recompletion history and perforation report. Casing in the well is as previously reported on the original Completion Report. New recompletion perforations are: Wasatch 6544-6788; existing perforations: Mesaverde 7210-9234. The iso plug separating new perforations from old perforations was drilled out on 12/13/11. Test information is production from all Wasatch/Mesaverde perforations.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) LINDSEY FRAZIER

TITLE REGULATORY ANALYST

SIGNATURE

DATE

12-4-12

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 922-29LT	Wellbore No.	OH
Well Name	NBU 922-29LT	Wellbore Name	NBU 922-29LT
Report No.	1	Report Date	11/17/2011
Project	UTAH-UINTAH	Site	NBU 922-29LT
Rig Name/No.	MILES 3/3	Event	RECOMPL/RESEREVEADD
Start Date	11/17/2011	End Date	12/13/2011
Spud Date	9/28/2008	Active Datum	RKB @5,006.00usft (above Mean Sea Level)
UWI	0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0		

1.3 General

Contractor		Job Method	PERFORATE	Supervisor	
Perforated Assembly	PRODUCTION CASING	Conveyed Method	WIRELINE		

1.4 Initial Conditions

Fluid Type		Fluid Density		Gross Interval	6,544.0 (usft)-6,788.0 (usft)	Start Date/Time	11/21/2011 12:00AM
Surface Press		Estimate Res Press		No. of Intervals	5	End Date/Time	11/21/2011 12:00AM
TVD Fluid Top		Fluid Head		Total Shots	48	Net Perforation Interval	13.00 (usft)
Hydrostatic Press		Press Difference		Avg Shot Density	3.69 (shot/ft)	Final Surface Pressure	
Balance Cond	NEUTRAL					Final Press Date	

1.5 Summary

2 Intervals

2.1 Perforated Interval

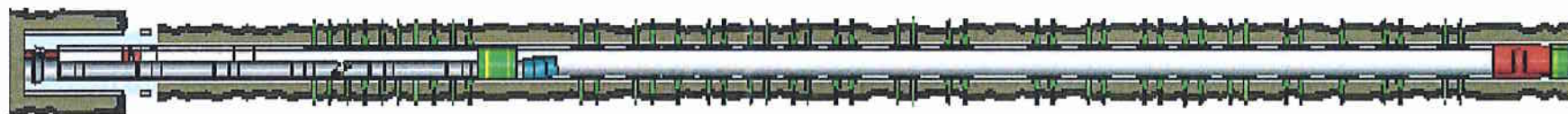
Date	Formation/ Reservoir	CCL@ (usft)	CCL-T/ S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
11/21/2011 12:00AM	WASATCH/			6,544.0	6,550.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
11/21/2011 12:00AM	WASATCH/			6,605.0	6,607.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
11/21/2011 12:00AM	WASATCH/			6,621.0	6,622.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
11/21/2011 12:00AM	WASATCH/			6,670.0	6,672.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
11/21/2011 12:00AM	WASATCH/			6,786.0	6,788.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic



US ROCKIES REGION
Operation Summary Report

Well: NBU 922-29LT	Spud Conductor: 9/19/2008	Spud Date: 9/28/2008
Project: UTAH-UINTAH	Site: NBU 922-29LT	Rig Name No: ROYAL WELL SERVICE 2/2, MILES 3/3
Event: RECOMPL/RESEREVEADD	Start Date: 11/17/2011	End Date: 12/13/2011
Active Datum: RKB @5,006.00usft (above Mean Sea Level)	UWI: 0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
11/17/2011	13:00 - 16:00	3.00	COMP	30	A	P		ROAD RIG FROM NBU 922-29C1S. SPOT AND RUSU. SITP 200. FCP 30. SURFACE OPEN. PMP 10 BBLS DOWN TBG. ND WH. NU BOP. RU FLOOR. UNLAND TBG FROM 7110. LUB OUT AND LD 4" 10K HANGER.
	16:00 - 18:30	2.50	COMP	31	I	P		POOH W/ 226-JTS 2-3/8" J-55 TBG. (AFTER 50-JTS TBG CAME WET, ATTEMPT TO PMP DOWN. PRES TO 800#. SUSPECT STANDING VALVE STILL IN SN). CONT POOH. SB 206-JTS AND LD 20-JTS. NO SCALE. SWMFN.
11/18/2011	7:00 - 7:15	0.25	COMP	48		P		JSA- EWL. ND/NU. PRES TEST.
	7:15 - 9:00	1.75	COMP	34	I	P		SICP 450. OPEN WELL TO TANK. MIRU CASEDHOLE EWL. RIH W/ 4-1/2" 10K CIBP. SET AT 6820'. POOH. PMP TMAC AS POOH.
	9:00 - 15:00	6.00	COMP	33	D	P		RD FLOOR. ND BOP. NU 4-1/16" 10K FRAC VALVES. RU FLOOR. FILL HOLE W/ BBLS. TEST W/ RIG PMP TO 2500#. GOOD. MIRU B&C. PRES TEST FOR FRAC.
11/21/2011								TEST TO 1068# FOR 15 MIN. END 1100#. GAIN 32#.
								TEST TO 3612# FOR 15 MIN. END 3650#. GAIN 38#.
								TEST TO 6368# FOR 30 MIN. END 6462#. GAIN 94#.
11/21/2011	7:00 - 8:30	1.50	COMP	37	B	P		RD B&C QUICK TEST. WINTERIZE FRAC VALVES. SDFWE.
	8:30 - 10:30	2.00	COMP	46	E	P		HSM, WORKING UNDER RIG, GUYLINES, P/U RIH PERF WASATCH W/ 3-1/8 EXPEND, 23 GRM, 0.36" HOLE, WAITNG ON SUPERIOR TO GET RIGGED UP, PRESSURE TEST SURFACE LINES TO 7,600#

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-29LT		Spud Conductor: 9/19/2008	Spud Date: 9/28/2008
Project: UTAH-UINTAH	Site: NBU 922-29LT		Rig Name No: ROYAL WELL SERVICE 2/2, MILES 3/3
Event: RECOMPL/RESERVEADD	Start Date: 11/17/2011		End Date: 12/13/2011
Active Datum: RKB @5,006.00usft (above Mean Sea Level)		UWI: 0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	10:30 - 14:30	4.00	COMP	36	B	P		<p>PERF & FRAC FOLLOWING WELL AS PER DESIGN W/ 30/50 MESH SAND & SLK WTR. ALL CBP'S ARE HALIBURTON 8K CBP'S. REFER TO STIM PJR FOR FLUID, SAND AND CHEMICAL VOLUME PUMP'D</p> <p>FRAC STG #1] WHP=177#, BRK DN PERFS=2,980#, @=4.4 BPM, INJ RT=50.1, INJ PSI=4,256#, INITIAL ISIP=1,514#, INITIAL FG=.66, FINAL ISIP=1,622#, FINAL FG=.68, AVERAGE RATE=50.3, AVERAGE PRESSURE=3,826#, MAX RATE=51, MAX PRESSURE=4,947#, NET PRESSURE INCREASE=108#, 24/24 100% CALC PERFS OPEN. X OVER TO WIRE LINE</p> <p>PERF STG #2] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=6,580', PERF WASATCH USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. AS PERSAY IN PROCEDURE, X OVER TO FRAC CREW</p> <p>FRAC STG #2] WHP=1,215#, BRK DN PERFS=1,458#, @=4.4 BPM, INJ RT=50.5, INJ PSI=4,022#, INITIAL ISIP=1,222#, INITIAL FG=.63, FINAL ISIP=1,787#, FINAL FG=.71, AVERAGE RATE=50.6, AVERAGE PRESSURE=3,330#, MAX RATE=51, MAX PRESSURE=4,315#, NET PRESSURE INCREASE=565#, 24/24 100% CALC PERFS OPEN. X OVER TO WIRE LINE</p> <p>P/U RIH W/ HALIBURTON 8K CBP, SET FOR TOP KILL @=6,494'</p> <p>TOTAL FLUID PUMP'D=1,891 BBLs TOTAL SAND PUMP'D=57,438#</p>
	14:30 - 17:00	2.50	COMP	30	F	P		<p>R/D SUPERIOR FRAC EQUIP & CASED HOLE SOLUTIONS, N/D FRAC VALVES, N/U BOPS, P/U 3-7/8 BIT W/ PUMP OPEN SUB, TALLEY & RIH W/ 200 JNTS 2-3/8, EOT=6,268' SWFN.</p>
11/22/2011	7:00 - 7:15	0.25	COMP	48		P		<p>JSA- D/O PLUGS. LD TBG. LAND TBG. ND/NU.</p>

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-29LT		Spud Conductor: 9/19/2008	Spud Date: 9/28/2008
Project: UTAH-UINTAH		Site: NBU 922-29LT	Rig Name No: ROYAL WELL SERVICE 2/2, MILES 3/3
Event: RECOMPL/RESEREVEADD		Start Date: 11/17/2011	End Date: 12/13/2011
Active Datum: RKB @5,006.00usft (above Mean Sea Level)		UWI: 0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 11:30	4.25	COMP	44	C	P		<p>SICP 0. FIN RIH W/ TBG. TAG AT 6494'. RU DRLG EQUIP. FILL TBG. PRES TEST TO 2500#. GOOD. EST CIRC AND D/O PLUGS.</p> <p>#1- C/O 0' SAND TO CBP AT 6494'. D/O IN 8 MIN. 200# INC. FCP 200#. RIH.</p> <p>#2- C/O 35' SAND TO CBP AT 6580'. D/O IN 8 MIN. 0# INC. FCP 100#. RIH.</p> <p>C/O 20' SAND TO 6806' (18' RAT HOLE) W/ 217 JTS IN. 4-1/2" CIBP AT 6820'. CIRC CLEAN. RD PWR SWMVEL. POOH AS LD 4-JTS. PU 4" 10K HANGER. LUB IN AND LAND 6636'. RD FLOOR. ND BOP. NU WH. PUMP OPEN BIT SUB AT 2400#. HOOK UP TO HAL 9000. TURN OVER TO FBC AND SALES. RDSU AND MOVE OFF.</p> <p>TBG DETAIL KB 18.00 4" 10K HANGER .83 211-JTS J-55 6613.70 1.87" XN W/ PMP OPEN 3.05 SUB AND MILL EOT 6635.58</p> <p>15-JTS J-55 TO SAMUELS YARD (13-JTS GOOD. 2 JTS BAD)</p>
12/12/2011	6:45 - 7:00	0.25	REE	48		P		<p>TWTR 1891, TWR 300, LTR 1691 HSM & JSA W/ROYAL WELL SERVICE</p>
	7:00 - 16:00	9.00	REE	31	I	P		<p>ROAD RIG FROM NBU 922-31K2TX. MIRU RIG. SITP 500 PSI, SICP 250 PSI. BLOW WELL DWN TO PRODUCTION TANK. NDWH, NU BOPs. L/D TBG HNGR. POOH W/211 JTS 2 3/8" TBG & STD BK IN DRK. L/D BHA. PU 3 7/8" BIT, POBS & XN NIPPLE. RIH ON 211 JTS USED 2 3/8" TBG. EOT @ 6623'. (CIBP @ 6820') R/D TBG EQUIP. R/U PWR SWWL & PMP. SWI - SDFN. PREP TO D/O CIBP IN AM.</p>
12/13/2011	6:45 - 7:00	0.25	REE	48		P		<p>FREEZE PROTECT WH & SURFACE EQUIP. HSM & JSA W/ROYAL WELL SERVICE</p>

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-29LT	Spud Conductor: 9/19/2008	Spud Date: 9/28/2008
Project: UTAH-UINTAH	Site: NBU 922-29LT	Rig Name No: ROYAL WELL SERVICE 2/2, MILES 3/3
Event: RECOMPL/RESERVEADD	Start Date: 11/17/2011	End Date: 12/13/2011
Active Datum: RKB @5,006.00usft (above Mean Sea Level)	UWI: 0/9/S/22/E/29/0/NWSW/6/PM/S/1,978.00/W/0/957.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:00 - 18:00	11.00	REE	44	C	P		SICP 500 PSI, SITP 350 PSI. RIH TAG FILL @ 6809'. R/D TBG EQUIP. R/U PWR SWVL & PMP. EST CIRC W/FOAM. C/O 19' OF SND. FCP 250 PSI. D/O CIBP @ 6828' IN 34 MIN, 30 PSI DIFF, FCP 150 PSI. RIH W/BHA. (TAGGED PATCHES OF SCALE FROM 7582' TO 7932') TAG FILL @ 9268'. (BTM PERF @ 9234' - PBTD @ 9341'). CIRC WELL CLEAN W/FOAM. LD 12 JTS ON FLOAT (27 TOTAL ON FLOAT). LND TBG ON HNGR W/283 JTS USED 2 3/8" 4.7# J55 TBG @ 8909.49'. SICP 700 PSI. ND BOPs, DROP BALL, NUWH. PMP OFF BIT W/FOAM @ 2000 PSI. FLOW WELL TO FLOWBACK TANK FOR 20 MIN. SWI - RD RIG. NOTIFY CDC WELL READY TO TURN ON.
								SICP 700 PSI SITP 500 PSI
								KB 18.00' HANGER 0.83' TUBING 8888.28' XN NIPPLE 1.33' NOTCHED COLLAR 1.05' XN NIPPLE @ 8907.11' EOT @ 8909.49'